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DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS A--ETC(U)
JUL 77 S C PERKINS, S S STAHARA, M J HEMSCH F44620-75-C-0047

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Technical Information Officer

DATA REPORT FOR A TEST PROGRAM TO STUDY
TRANSONIC FLOW FIELDS ABOUT AIRCRAFT
WITH APPLICATION TO EXTERNAL STORES

VOLUME IV. - MACH NUMBER 1.025 FLOW-FIELD
SURVEY DATA FOR THE 4-PERCENT THICK
WING-BODY COMBINATION

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Stephen S. Stahara and
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NEAR TR 138

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A test program was conducted to obtain measurements of flow velocities and static pressures in the vicinity of wing-body-store model (representative of a fighter-type aircraft) as well as surface pressures, forces, and moments on the model. Flow velocities and static pressures were also measured near the tunnel walls to provide outer flow field information. This report presents the data obtained during the test program conducted in the 4T and 16T Wind Tunnels at Arnold Engineering Development Center. The Flow-field data were obtained at Mach numbers 0.925, 0.975, and 1.025 and constitute the major part of the data. (cont)																				

Volume I is a summary report which gives detailed information on the test program and presents uncertainties associated with the various types of data taken in the 4T Wind Tunnel. The volume also presents tunnel-empty and Mach-number surveys, as well as tabulated force and moment and pressure data for the Mach number range 0.80 to 1.15 and angles of attack -2° , -5° , 0° , 2° , and 5° . Volumes II, III, and IV present the tabulated flowfield data for the 4-percent thick wing model at Mach numbers 0.925, 0.975 and 1.025, respectively. Volume V presents the tabulated flow-field data for the 6-percent thick wing model, and Volume VI presents data obtained for the 4-percent thick wing model in the 16T Wind Tunnel.

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NOMENCLATURE

This section provides a list of symbols which identify various aerodynamic parameters, axis designations, subscripts, and tabulated data nomenclature.

Symbols

AAL	local upwash angle, deg; $\tan^{-1}(\frac{WL/VM}{UL/VM})$
M	Mach number
r	radius of the body, in.
Re/ft	free-stream Reynolds number per foot, ft^{-1}
SWL	local sidewash angle, deg; $\tan^{-1}(\frac{VL/VM}{UL/VM})$
UL, VL, WL	local velocity components, positive along the positive X, Y, and Z directions, respectively, ft/sec
VM	free-stream velocity, ft/sec
X, Y, Z	body-fixed Cartesian coordinates with origin coincident with the aircraft model nose at all angles of attack, see figure 4(a)
XT, YT, ZT	tunnel-fixed Cartesian coordinates with origin coincident with the aircraft model nose at zero angle of attack, see figure 4(b)
α	angle of attack of the model, deg; angle between body axis and tunnel axis, as defined in figure 4
θ	azimuthal angle in the Y-Z plane, deg; measured from the positive Y axis as shown in figure 4

Subscripts

∞ free-stream conditions

Flow Field Survey Data Tabulation

AAL local upwash angle referenced to body-axis coordinates, calculated from probe measurements, deg; $\tan^{-1}(WL/UL)$

NOMENCLATURE (Continued)

AATL	upwash angle referenced to tunnel-axis coordinates, calculated from probe measurements, deg; $\tan^{-1}(WT/UT)$
ALFA	aircraft-model angle of attack, positive nose up as seen by the pilot (nose down in tunnel), deg
CPL	local pressure coefficient calculated from probe measurements, $(PL - P)/Q$
DATE	calendar time at which data were recorded
M	wind tunnel free-stream Mach number
ML	local Mach number calculated from probe measurements
P	free-stream static pressure, psfa
PART	sequential indexing number for referencing data; a constant throughout each survey
PL	local static pressure calculated from probe measurements, psfa
POINT	sequential indexing number for referencing data obtained during one part; indexes each time a new set of data inputs is obtained.
PT	wind tunnel free-stream total pressure, psfa
PTL	local total pressure measured by probe, psfa
Q	wind tunnel free-stream dynamic pressure, psf
REX10-6	wind tunnel free-stream unit Reynolds number, millions per foot
RUN	identifier for specific user test type
SURVEY	identifier for specific user grid-survey combination
SWL	local sidewash angle referenced to body-axis coordinates, calculated from probe measurements, deg; $\tan^{-1}(VL/UL)$
SWTL	sidewash angle referenced to tunnel-axis coordinates, calculated from probe measurements, deg; $\tan^{-1}(VT/UT)$

NOMENCLATURE (Concluded)

TEST	alpha-numeric notation for referencing a specific test unit
TT	wind tunnel free-stream total temperature, °F
UL,VL,WL	velocity components in the body-axis X, Y, and Z directions, respectively, calculated from probe measurements, ft/sec
UT,VT,WT	velocity components in the tunnel-axis X, Y, and Z directions, respectively, calculated from probe measurements, ft/sec
VM	wind tunnel free-stream velocity, ft/sec
VML	local velocity calculated from probe measurements, ft/sec
WING	wing designation used for a specific part number
X	location of the probe in the body-axis X direction
XT	location of the probe in the tunnel-axis X direction
Y	location of the probe in the body-axis Y direction
YT	location of the probe in the tunnel-axis Y direction
Z	location of the probe in the body-axis Z direction
ZT	location of the probe in the tunnel-axis Z direction

DATA REPORT FOR A TEST PROGRAM TO STUDY
TRANSONIC FLOW FIELDS ABOUT AIRCRAFT
WITH APPLICATION TO EXTERNAL STORES

VOLUME IV. - MACH NUMBER 1.025
FLOW-FIELD SURVEY DATA FOR THE
4-PERCENT THICK WING-BODY
COMBINATION

1. INTRODUCTION

This volume of the data report presents the flow-field survey data at $M_\infty = 1.025$ for the 4-percent thick wing-body model. The data were obtained in the 4T Wind Tunnel at Arnold Engineering and Development Center. These tests, performed at a nominal Reynolds number per foot of 3.0×10^6 , are outlined in Tables I through VI of this volume. The tabulated data are at the end of this volume beginning on page number 1.

2. DESCRIPTION OF TESTS

The details of the test hardware, coordinate systems, and data uncertainties associated with these tests, as well as an overview of the purpose and scope of the test program, are provided in Volume I of this data report. Figure 1 of this volume shows the entire grid layout used for the inner flow-field measurements. Some layouts use only a portion of this pattern, depending on Mach number and angle of attack. The general grid layout used for the outer flow-field measurements is shown in figure 2. Two different grid layouts were used depending on the angle of attack. The grid layout is designed to give outer flow-field data at a constant radial distance from the tunnel centerline for various values of θ , the azimuthal angle. A sketch of the wing-body combination is shown in figure 3.

The flow-field survey tests at Mach number 1.025 are summarized in Table I. Columns one through three indicate the angle of attack, the table number, and the page numbers, respectively, for each set of data.

Tables II through VI contain the test condition grids for

each angle of attack. Columns one and two indicate the page number and part number, respectively, of the tabulated data for each flow-field run. Columns four, five, and six indicate the initial and final positions and the incremental change in the axial coordinate, the body-axis X direction, of the probe static-pressure orifices. Columns eight and nine indicate the lateral and vertical coordinates, the body-axis Y and Z directions, respectively, of the probe longitudinal centerline. These coordinates indicate the various inner flow-field surveys. The outer flow-field surveys are found on the second page of each table and at the end of each table. Columns four, five, and six of these surveys indicate the initial and final positions and incremental change, respectively, of the axial coordinate, the tunnel-axis X direction, of the probe static-pressure orifices. Columns eight and nine indicate the lateral and vertical coordinates, the tunnel-axis Y and Z directions, respectively, of the probe longitudinal centerline. Column ten indicates the azimuthal angle of each outer flow-field run, as defined in figure 4 of this volume.

3. DESCRIPTION OF DATA

The flow-field survey data for the 4-percent thick wing-body model at Mach number 1.025 are presented in tabular form on pages 1 through 220 at the end of this volume. The heading on each page contains the test number, the part number, the Reynolds number per foot, the angle of attack of the model, the type of wing attached to the model (4-percent thick wing for this volume), and the Y and Z (or YT and ZT) coordinates at which the X (or XT) traverse is carried out. Also included are the run and survey numbers and the date on which data were recorded.

Below the heading information are the data obtained during each test. Column one indicates the sequential indexing number for referencing data obtained during one part (POINT). Column two

indicates the location of the probe static-pressure orifices in the body-axis X direction (X) for the inner flow-field surveys or in the tunnel-axis X direction (XT) for the outer flow-field surveys. Columns three through seven indicate wind tunnel free-stream quantities. These are Mach number (M), velocity (VM, ft/sec), total pressure (PT, psfa), dynamic pressure (Q, psf) and total temperature (TT, °F). Columns eight through sixteen indicate local quantities which were either measured by the probe or calculated from probe measurements. Columns eight through eleven contain the local Mach number (ML), the ratio of local to free-stream velocity (VML/VM), the ratio of local to free-stream total pressure (PTL/PT), and the local pressure coefficient (CPL). For the inner flow-field surveys, columns twelve through sixteen contain the ratio of local velocity components in the body-axis X, Y, and Z directions, respectively, to the free-stream velocity (UL/VM, VL/VM, and WL/VM, respectively) and the local upwash and sidewash angles (AAL and SWL, respectively) referenced to body-axis coordinates. For the outer flow-field surveys, columns twelve through sixteen contain these same local quantities as determined in the tunnel-axis coordinate system. The positive sense of the velocity components is along the positive X, Y, and Z directions. A positive local upwash angle indicates downward flow away from the wing-body combination, the positive Z or ZT direction, see figure 5. A positive local sidewash angle indicates flow along the positive Y or YT axis, see figure 5.

TABLE I.- FLOW-FIELD SURVEY TESTS

$$M_{\infty} = 1.025$$

4-Percent Thick Wing-Body Model

Angle of Attack	Table No.	Page No.
0°	II	1-56
2°	III	57-112
5°	IV	113-168
-2°	V	169-194
-5°	VI	195-220

TABLE II.- FLOW-FIELD SURVEYS AT $\alpha = 0^\circ$

1	2	3	4	5	6	7	8	9	10
Page No.	Part No.		Initial X inches	Final X inches	ΔX inches		Y inches	Z inches	
1	314		9.000	19.000	0.666		0.000	-5.000	
2	322		↓	↓	0.333		↓	-4.000	
3	323				↓		↓	-3.000	
4	324							-2.000	
5	315				0.666		1.000	-5.000	
6	325				0.333		↓	-4.000	
7	326				↓		↓	-3.000	
8	327							-2.000	
9	316				0.666		1.500	-5.000	
10	328				0.333		↓	-4.000	
11	329				↓			-3.000	
12	330		↓		↓		↓	-2.000	
13	346							-1.500	
14	317		10.333		0.666		2.000	-5.000	
15	331		10.000		0.333		↓	-4.000	
16	332		↓		↓			-3.000	
17	333							-2.000	
18	347		↓		↓		↓	-1.500	
19	348							-1.000	
20	318		10.333		0.666		3.000	-5.000	
21	334		10.000		0.333		↓	-4.000	
22	335		↓		↓		↓	-3.000	
23	336							-2.000	
24	349		↓		↓		↓	-1.500	
25	350							-1.000	
26	319		10.500		0.500		4.000	-5.000	
27	337		↓		↓		↓	-4.000	
28	338							-3.000	
29	339							-2.000	
30	351						↓	-1.500	
31	352							-1.000	
32	320						5.500	-5.000	
33	340						↓	-4.000	
34	341							-3.000	
35	342							-2.000	
36	353						↓	-1.500	
37	354							-1.000	
38	321						7.000	-5.000	
39	343						↓	-4.000	
40	344							-3.000	
41	345							-2.000	
42	355							-1.500	
43	356		↓	↓	↓		↓	-1.000	

TABLE II. - CONCLUDED

	1	2	3	4	5	6	7	8	9	10
	Page No.	Part No.		Initial X inches	Final X inches	ΔX inches		Y inches	Z inches	
	44	357		11.000	19.000	1.000		-4.000	-5.000	
	45	358							-3.000	
	46	359							-1.000	
	47	360						-7.000	-5.000	
	48	361							-3.000	
	49	362							-1.000	

			Initial XT inches	Final XT inches	ΔXT inches		YT inches	ZT inches	θ degree
	50, 51	371	-6.000	24.000	0.5000		0.000	-14.142	-90.0
	52, 53	372					10.000	-10.000	-45.0
	54, 55	373					14.142	0.000	0.0
	56	374			2.000		-10.000	-10.000	-135.0

TABLE III.- FLOW-FIELD SURVEYS AT $\alpha = 2^\circ$

1	2	3	4	5	6	7	8	9	10
Page No.	Part No.		Initial X inches	Final X inches	ΔX inches		Y inches	Z inches	
57	253		9.000	19.000	0.666		0.000	-5.000	
58	261		↓	↓	0.333		↓	-4.000	
59	262				↓		↓	-3.000	
60	263				↓		↓	-2.000	
61	254				0.666		1.000	-5.000	
62	264				0.333		↓	-4.000	
63	265				↓		↓	-3.000	
64	266						↓	-2.000	
65	255				0.666		1.500	-5.000	
66	267				0.333		↓	-4.000	
67	268				↓		↓	-3.000	
68	269		↓		↓		↓	-2.000	
69	285		↓		↓		↓	-1.500	
70	256		10.333		0.666		2.000	-5.000	
71	270		10.000		0.333		↓	-4.000	
72	271		↓		↓		↓	-3.000	
73	272		↓		↓		↓	-2.000	
74	286		↓		↓		↓	-1.500	
75	287		↓		↓		↓	-1.000	
76	257		10.333		0.666		3.000	-5.000	
77	273		10.000		0.333		↓	-4.000	
78	274		↓		↓		↓	-3.000	
79	275		↓		↓		↓	-2.000	
80	288		↓		↓		↓	-1.500	
81	289		↓		↓		↓	-1.000	
82	258		10.500		0.500		4.000	-5.000	
83	276		↓		↓		↓	-4.000	
84	277		↓		↓		↓	-3.000	
85	278		↓		↓		↓	-2.000	
86	290		↓		↓		↓	-1.500	
87	291		↓		↓		↓	-1.000	
88	259						5.500	-5.000	
89	279						↓	-4.000	
90	280						↓	-3.000	
91	281						↓	-2.000	
92	292						↓	-1.500	
93	293						↓	-1.000	
94	260						7.000	-5.000	
95	282		↓		↓		↓	-4.000	
96	283		↓		↓		↓	-3.000	
97	284		↓	↓	↓		↓	-2.000	
98	294		↓	↓	↓		↓	-1.500	
99	295		↓	↓	↓		↓	-1.000	

TABLE III.- CONCLUDED

1	2	3	4	5	6	7	8	9	10
Page No.	Part No.		Initial X inches	Final X inches	ΔX inches		Y inches	Z inches	
100	296		11.000	19.000	1.000		-4.000	-5.000	
101	297							-3.000	
102	298							-1.000	
103	299						-7.000	-5.000	
104	300							-3.000	
105	301							-1.000	

			Initial XT inches	Final XT inches	ΔXT inches		YT inches	ZT inches	θ degrees
106,107	309		-6.000	24.000	0.5000		0.000	-14.142	-90.0
108,109	310						10.000	-10.000	-45.0
110,111	311						14.142	0.000	0.0
112	312				2.000		-10.000	-10.000	-135.0

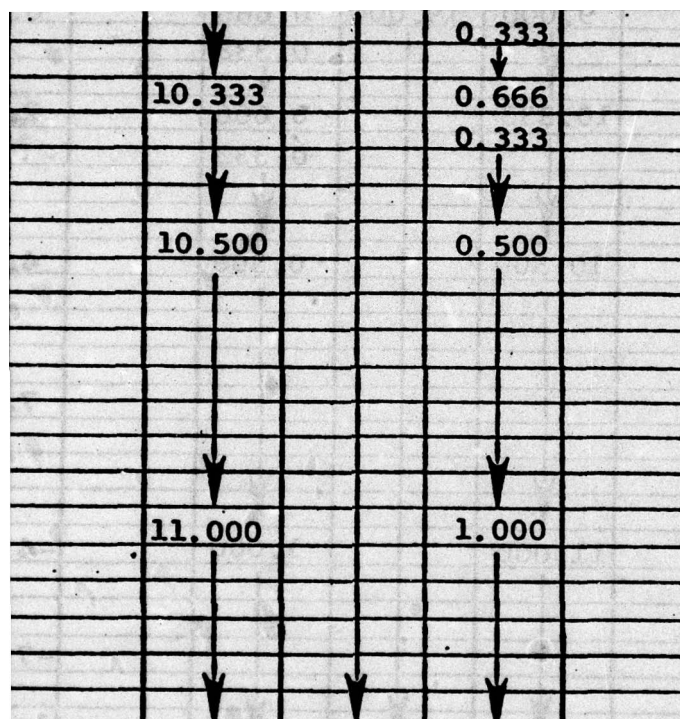
TABLE IV.- FLOW-FIELD SURVEYS AT $\alpha = 5^\circ$

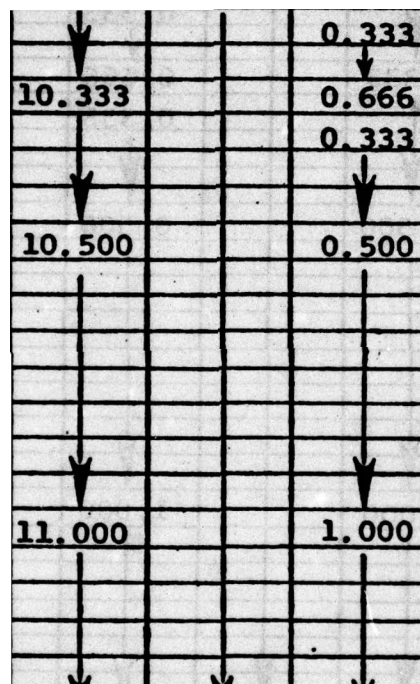
1	2	3	4	5	6	7	8	9	10
Page No.	Part No.		Initial X inches	Final X inches	ΔX inches		Y inches	Z inches	
113	198		9.000	19.000	0.666		0.000	-5.000	
114	206		↓	↓	0.333		↓	-4.000	
115	207				↓		↓	-3.000	
116	208				↓		↓	-2.000	
117	199				0.666		1.000	-5.000	
118	209				0.333		↓	-4.000	
119	210				↓		↓	-3.000	
120	211				↓		↓	-2.000	
121	200				0.666		1.500	-5.000	
122	212				0.333		↓	-4.000	
123	213				↓		↓	-3.000	
124	214		↓		↓		↓	-2.000	
125	231				↓		↓	-1.500	
126	201		10.333		0.666		2.000	-5.000	
127	216		10.000		0.333		↓	-4.000	
128	217		↓		↓		↓	-3.000	
129	218		↓		↓		↓	-2.000	
130	232		↓		↓		↓	-1.500	
131	233		↓		↓		↓	-1.000	
132	202		10.333		0.666		3.000	-5.000	
133	219		10.000		0.333		↓	-4.000	
134	220		↓		↓		↓	-3.000	
135	221				↓		↓	-2.000	
136	234		↓		↓		↓	-1.500	
137	235		↓		↓		↓	-1.000	
138	203		10.500		0.500		4.000	-5.000	
139	222		↓		↓		↓	-4.000	
140	223		↓		↓		↓	-3.000	
141	224		↓		↓		↓	-2.000	
142	236		↓		↓		↓	-1.500	
143	237		↓		↓		↓	-1.000	
144	204						5.500	-5.000	
145	225						↓	-4.000	
146	226						↓	-3.000	
147	227						↓	-2.000	
148	238						↓	-1.500	
149	239						↓	-1.000	
150	205						7.000	-5.000	
151	228		↓		↓		↓	-4.000	
152	229		↓		↓		↓	-3.000	
153	230		↓		↓		↓	-2.000	
154	240		↓		↓		↓	-1.500	
155	241		↓		↓		↓	-1.000	

TABLE IV.- CONCLUDED

1	2	3	4	5	6	7	8	9	10
Page No.	Part No.		Initial X inches	Final X inches	ΔX inches		Y inches	Z inches	
156	242		11.000	19.000	1.000		-4.000	-5.000	
157	243		↓	↓	↓		↓	-3.000	
158	244							-1.000	
159	245						-7.000	-5.000	
160	246		↓	↓	↓		↓	-3.000	
161	247							-1.000	

			Initial XT inches	Final XT inches	ΔXT inches		YT inches	ZT inches	θ degrees
162, 163	303		-6.000	24.000	0.5000		0.000	-14.142	-90.0
164, 165	304		↓	↓	↓		10.000	-10.000	-45.0
166, 167	305		↓	↓	↓		14.142	0.000	0.0
168	306		↓	↓	2.000		-10.000	-10.000	-135.0





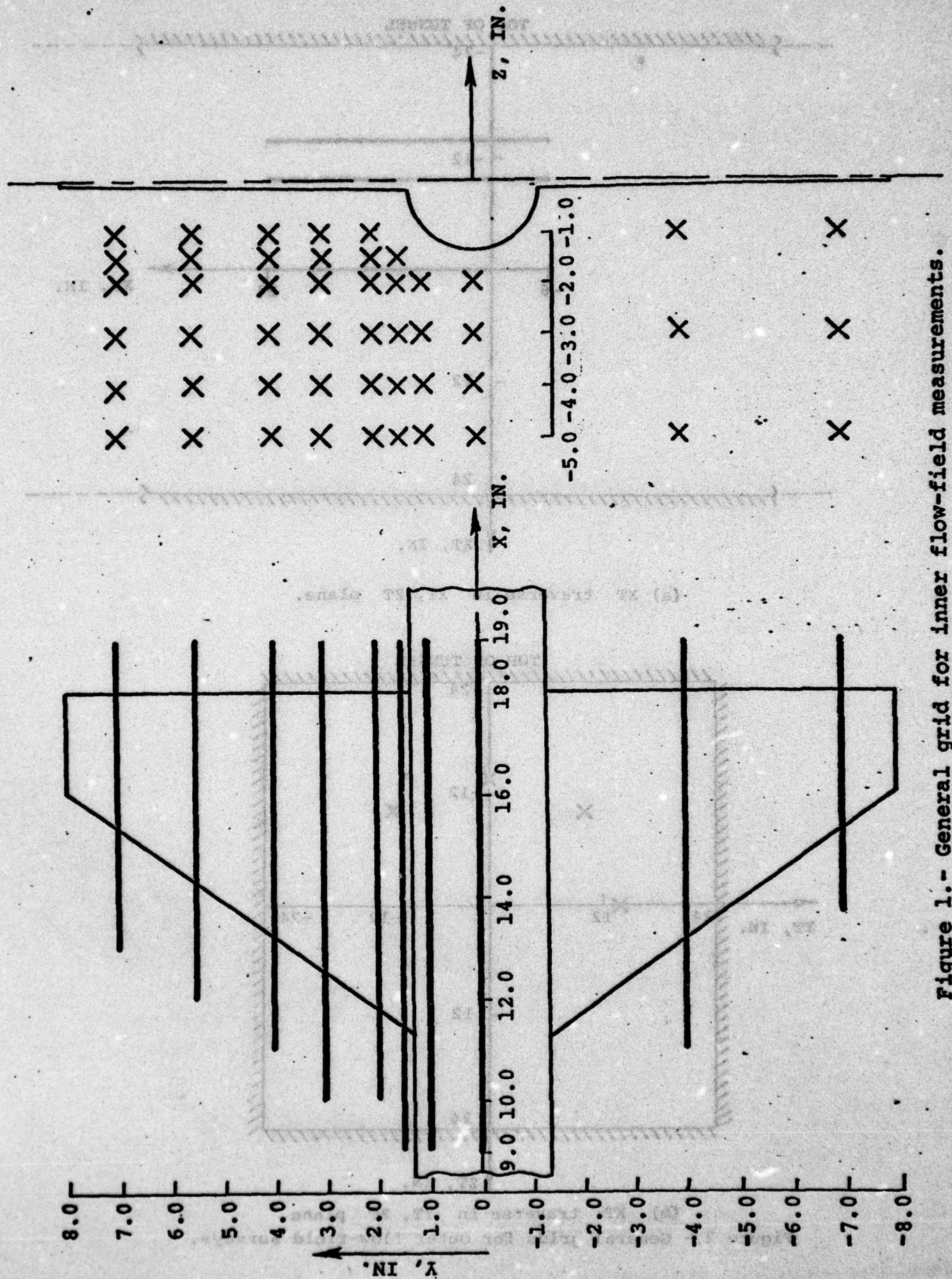
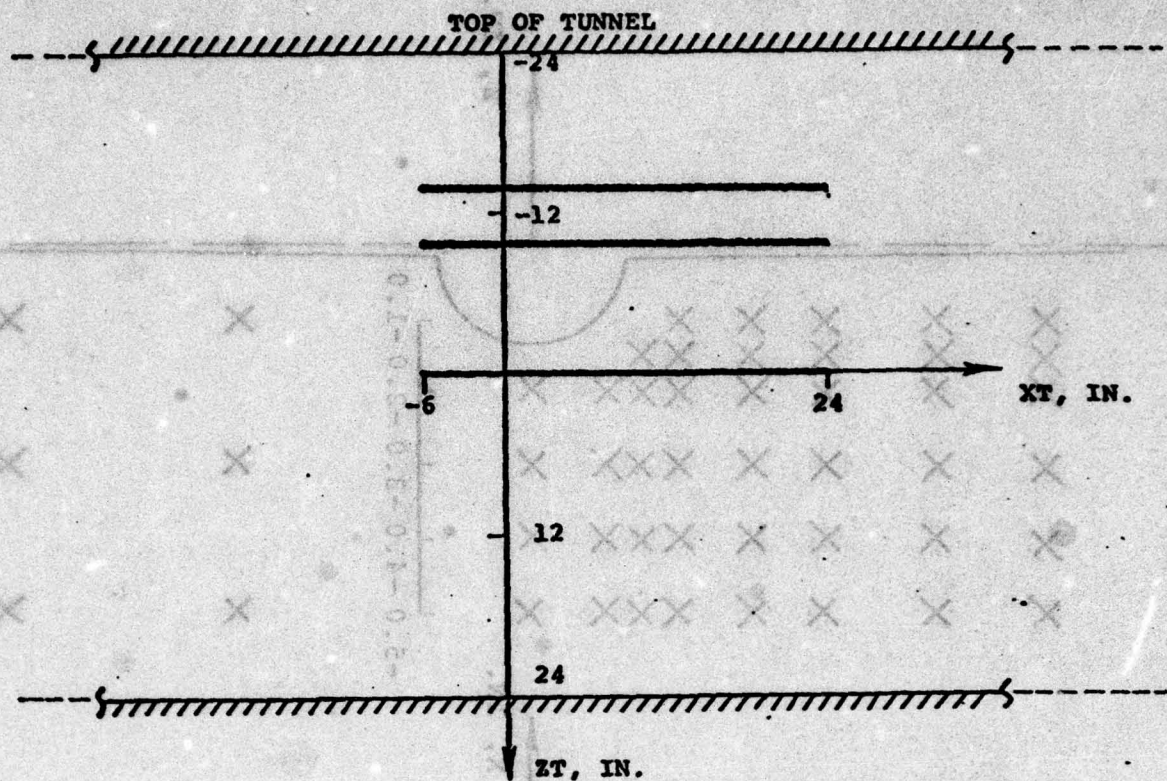
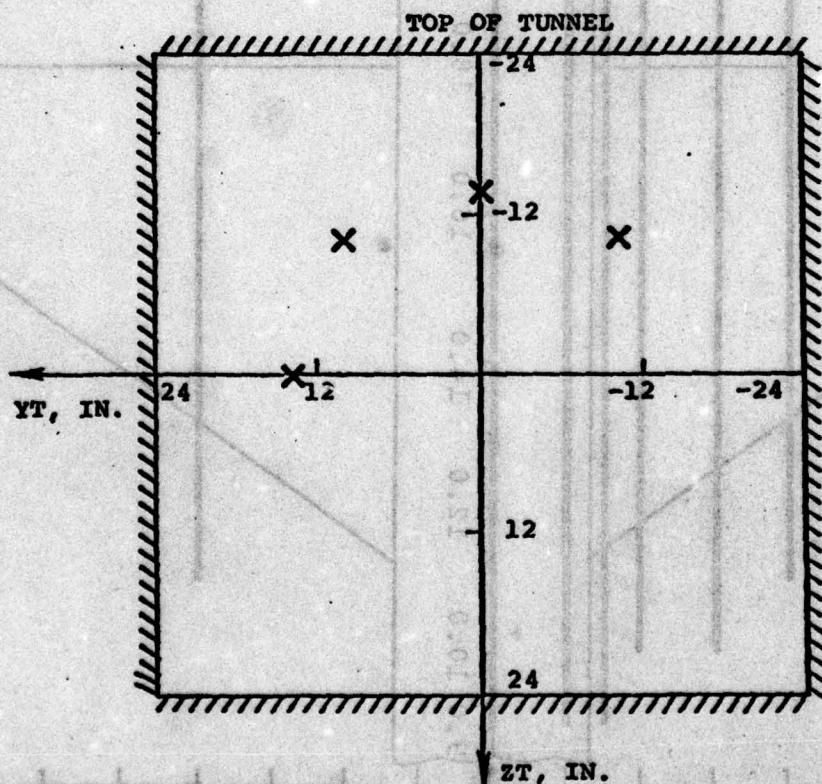


Figure 1.- General grid for inner flow-field measurements.



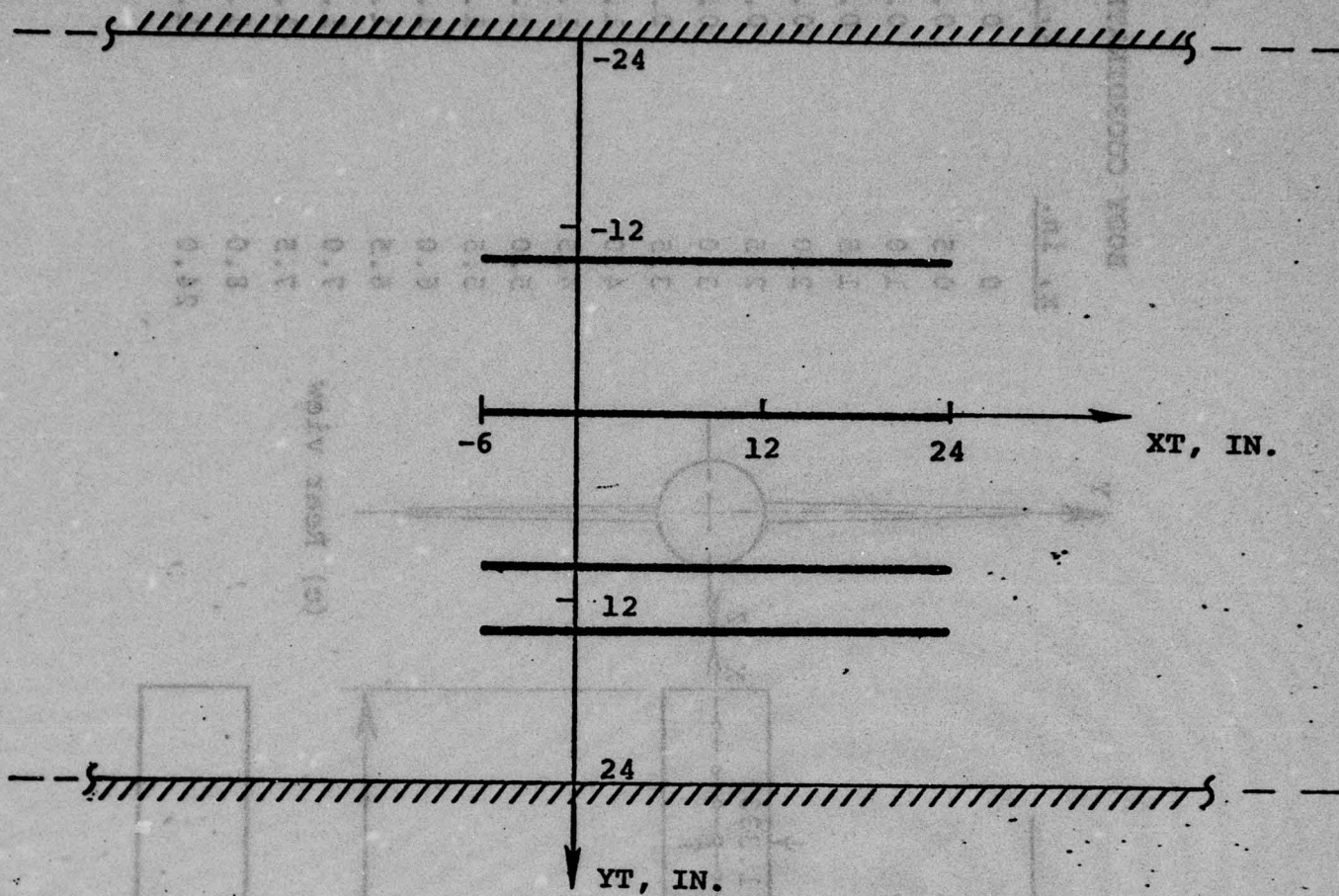
(a) XT traverse in XT, ZT plane.



(b) XT traverse in YT, ZT plane.

Figure 2.- General grids for outer flow-field surveys.

IV-15



(c) XT traverse in XT, YT plane.

Figure 2.- Concluded.

BODY COORDINATES	
$x, \text{ in.}$	$r, \text{ in.}$
0	0
0.5	0.162
1.0	0.313
1.5	0.453
2.0	0.583
2.5	0.703
3.0	0.813
3.5	0.912
4.0	1.000
4.5	1.078
5.0	1.146
5.5	1.203
6.0	1.250
6.5	1.287
7.0	1.313
7.5	1.328
8.0	1.333
24.0	1.333

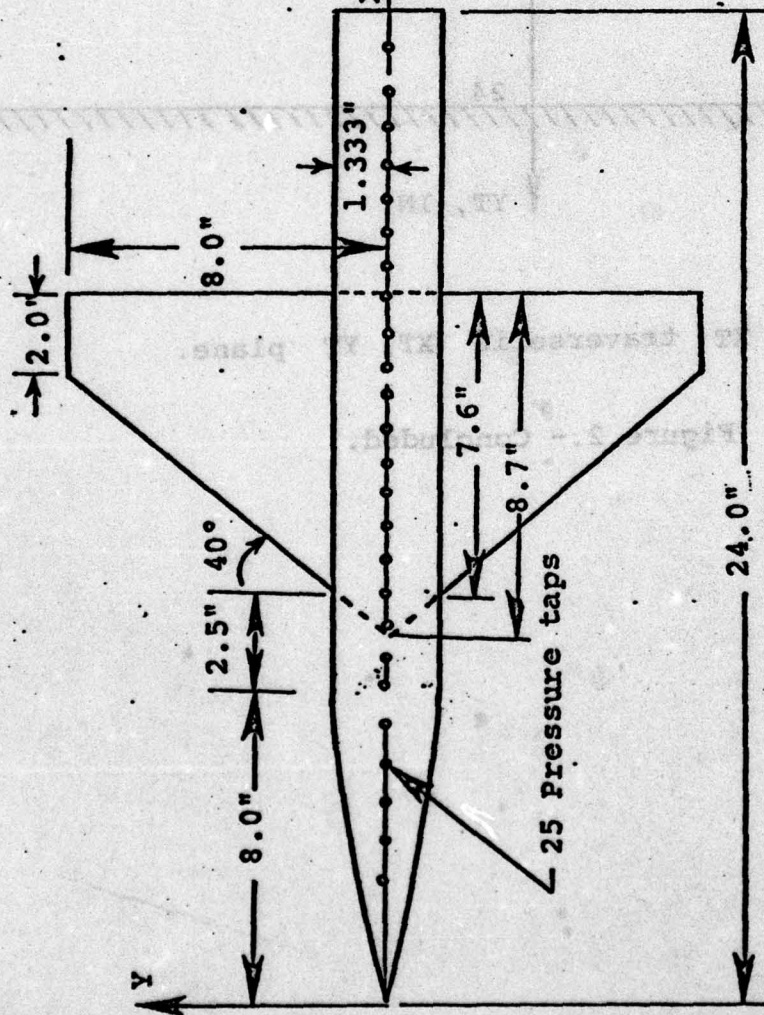
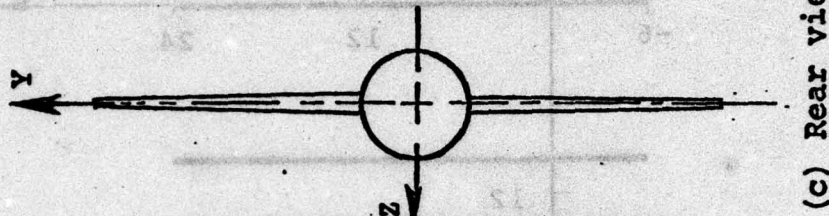
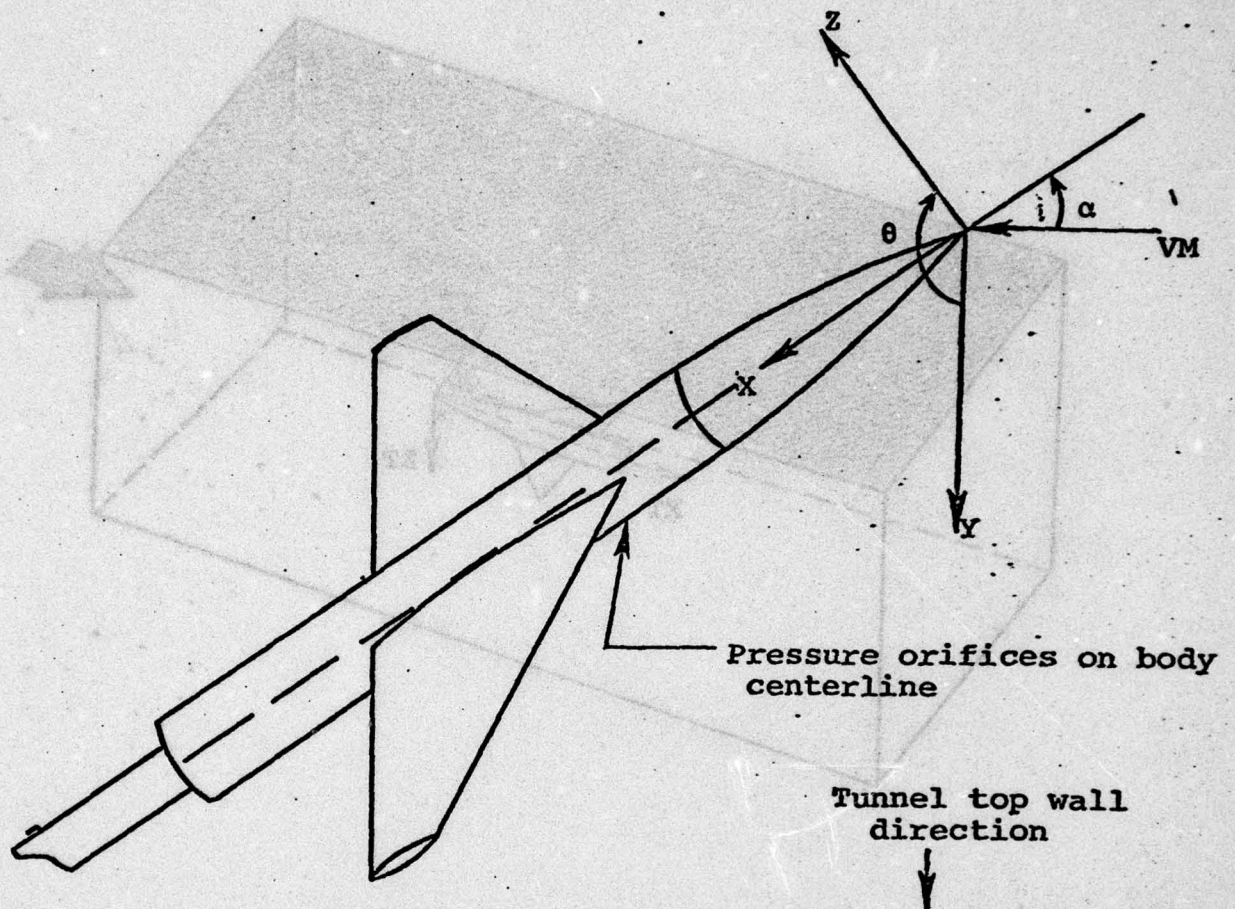
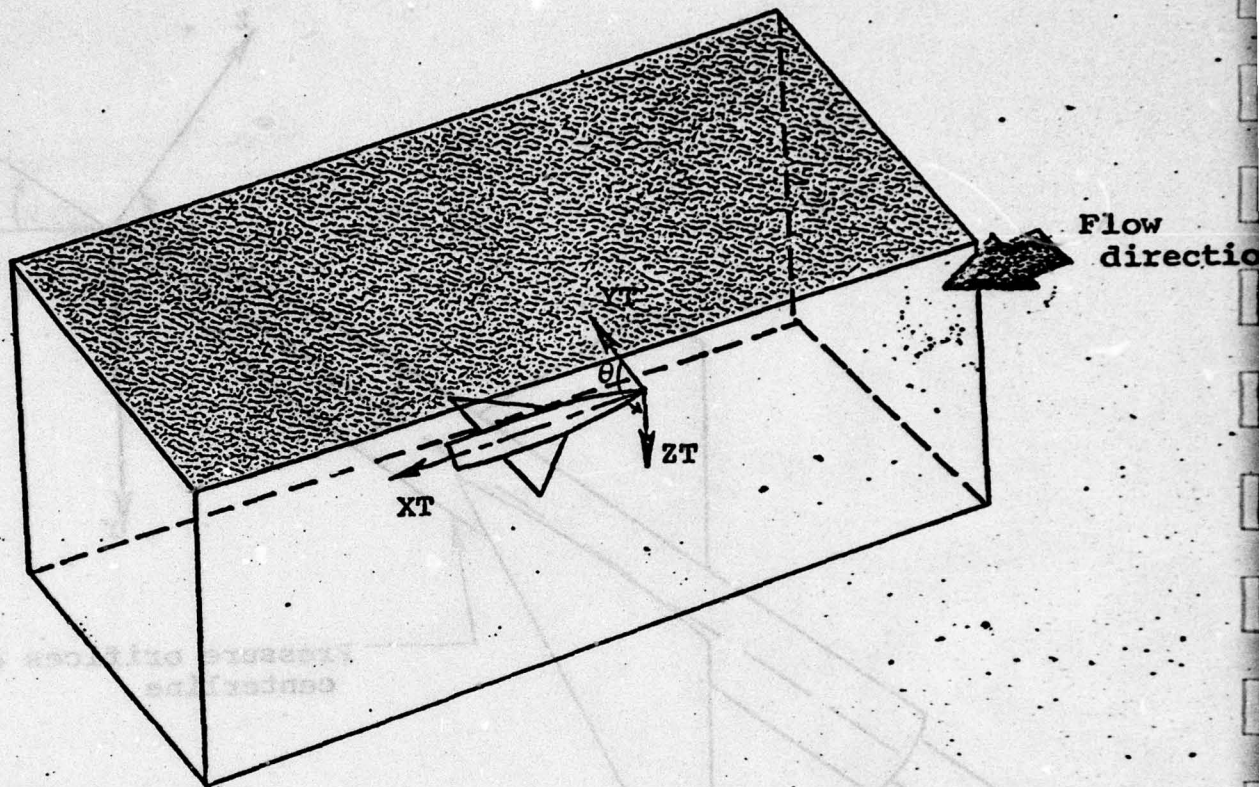


Figure 3.-Wing-body combination.



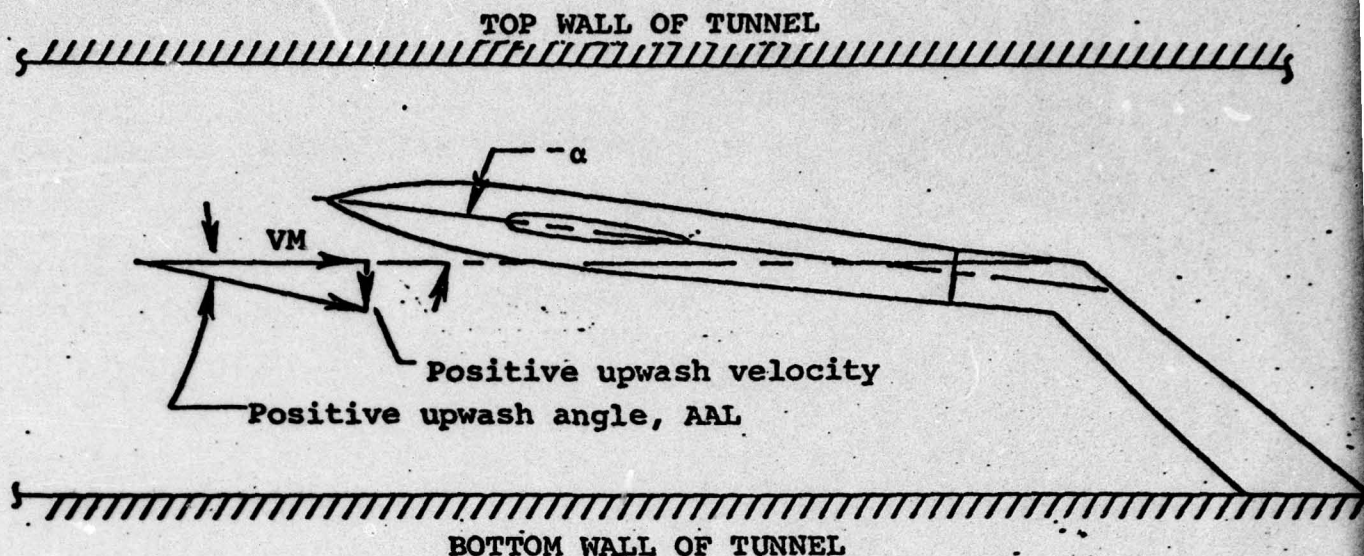
(a) Body-fixed system for inner flow field surveys.

Figure 4.-Coordinate systems.

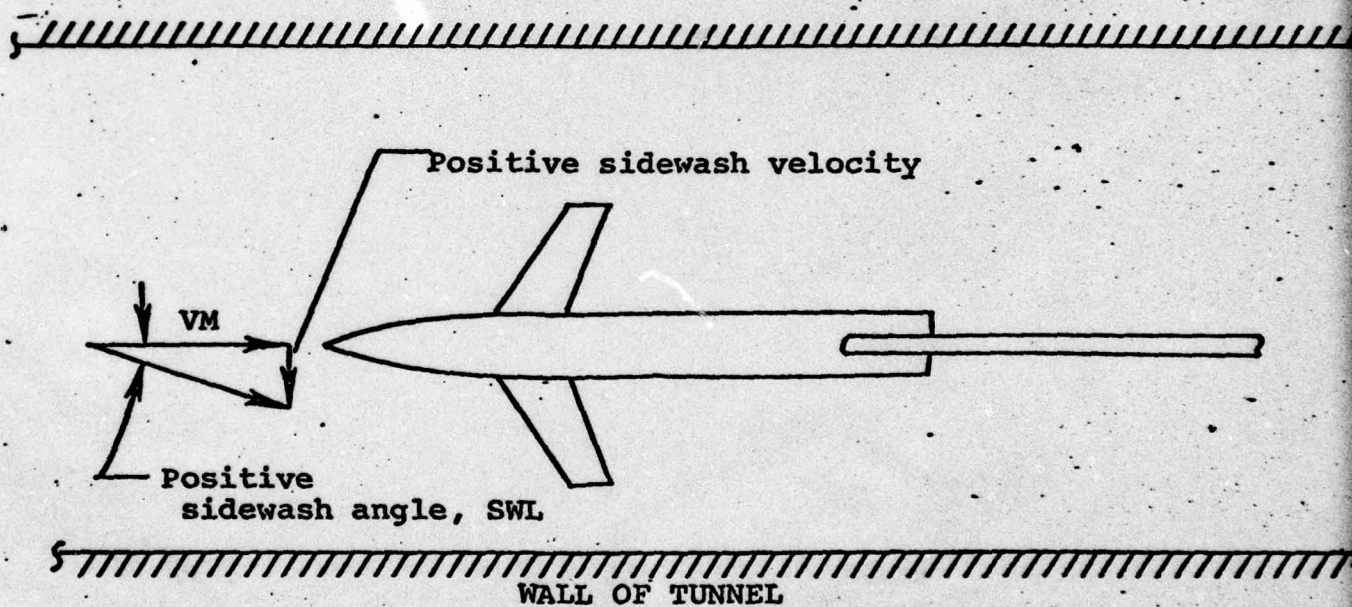


(b) Tunnel-fixed system for outer flow field surveys.

Figure 4.- Concluded.



(a) Side view of tunnel.



(b) Plan view of tunnel from top.

Figure 5.-Pictorial sign convention for upwash and sidewash angles.

TEST PART REX10-6
JC-484 314 2.999

ALFA WING Y Z
0.01 48 0.00 -5.00

RUN SURVEY
4-201

DATE
2-3-77

AEDC PROPULSION WIND TUNNEL
TRANSONIC 41

POINT	X	Y	Z	PT	YH	VL/VH	UL/VH	WL/VH	AWL	SWL
6	9.000	1.023	1059.10	1399.4	527.0	1.060	1.060	0.001	0.007	0.07
7	9.666	1.023	1059.50	1399.0	527.1	1.068	1.068	0.001	0.013	0.08
8	10.333	1.023	1059.00	1399.2	527.0	1.060	1.060	0.002	0.012	0.08
9	11.000	1.024	1059.85	1399.3	527.4	1.036	1.036	0.002	0.007	0.10
10	11.666	1.024	1059.84	1398.5	527.1	0.975	0.975	0.001	-0.003	0.06
11	12.333	1.025	1060.64	1398.5	527.5	0.964	0.964	0.001	-0.007	0.05
12	13.000	1.025	1060.95	1398.9	527.7	0.977	0.977	0.001	-0.008	0.05
13	13.666	1.027	1063.06	1399.3	528.0	0.961	0.961	0.001	-0.007	0.07
14	14.333	1.027	1062.42	1399.8	528.7	0.962	0.962	0.001	-0.006	0.07
15	15.000	1.026	1062.11	1399.4	528.5	0.965	0.965	0.001	-0.003	0.08
16	15.666	1.027	1062.24	1398.1	528.1	0.970	0.970	0.002	0.000	0.10
17	16.333	1.027	1062.59	1398.4	528.4	0.978	0.978	0.002	0.005	0.12
18	17.000	1.029	1064.60	1398.6	529.4	0.987	0.987	0.002	0.009	0.12
19	17.666	1.028	1063.39	1398.4	528.7	1.006	1.006	0.002	0.015	0.08
20	18.333	1.027	1062.28	1397.8	528.0	1.025	1.025	0.002	0.021	0.09
21	19.000	1.028	1063.44	1398.1	528.6	1.049	1.049	0.001	0.029	0.08

TEST PART HX10-6 ALPA WING Y 2 SURVEY DATE 2-3-77 AEDC PROPELLION WIND TUNNEL
 TC-404 322 2.995 0.01 40 0.00 -4.00 4-200 TRANSONIC 47

POINT	X	Y	Y ₀	PT	Q	TS	PL	VPL/VW	PTL/PT	CPD	UL/VW	VL/VW	WL/VW	AAL	SWL
4	9.000	1.022	1058.22	1397.7	526.0	79.9	1.098	1.061	1.004	-0.116	1.061	-0.004	0.007	0.30	-0.22
5	9.133	1.022	1058.07	1390.9	523.4	79.9	1.104	1.068	1.000	-0.116	1.068	0.002	0.010	0.33	0.12
6	9.666	1.027	1047.84	1399.3	528.8	79.9	1.108	1.064	0.997	-0.131	1.064	0.003	0.011	0.60	0.19
7	10.000	1.026	1047.21	1405.0	530.6	79.9	1.110	1.066	0.999	-0.133	1.066	0.003	0.011	0.61	0.17
8	10.333	1.023	1058.83	1398.1	526.4	79.9	1.051	1.047	1.001	-0.032	1.047	0.003	0.009	0.50	0.16
9	10.666	1.023	1058.04	1394.5	525.2	79.9	1.049	1.037	1.001	-0.073	1.037	0.003	0.007	0.37	0.16
10	11.000	1.025	1051.09	1397.8	527.4	79.9	1.035	1.008	0.999	-0.071	1.008	0.003	0.002	0.12	0.16
11	11.333	1.024	1051.31	1402.3	528.1	80.1	1.050	0.979	1.009	0.061	0.979	0.002	-0.003	-0.20	0.19
12	11.666	1.024	1050.34	1401.4	528.3	80.1	0.984	0.969	1.001	0.064	0.969	0.002	-0.007	-0.39	0.13
13	12.000	1.025	1049.88	1398.0	527.4	79.8	0.980	0.964	1.001	0.075	0.964	0.002	-0.009	-0.52	0.12
14	12.333	1.027	1042.33	1400.4	529.0	79.8	0.985	0.966	1.001	0.070	0.966	0.002	-0.009	-0.54	0.11
15	12.666	1.025	1040.84	1401.0	528.6	79.7	0.984	0.967	1.002	0.068	0.967	0.002	-0.009	-0.55	0.11
16	13.000	1.023	1041.21	1397.4	527.4	79.9	0.978	0.961	1.002	0.070	0.961	0.002	-0.009	-0.54	0.11
17	13.333	1.025	1040.58	1396.1	526.6	79.8	0.978	0.962	1.001	0.079	0.962	0.002	-0.009	-0.52	0.13
18	13.666	1.024	1041.20	1394.3	527.0	79.7	0.979	0.962	1.001	0.076	0.962	0.002	-0.008	-0.47	0.12
19	14.000	1.024	1042.03	1395.2	526.8	79.8	0.980	0.962	1.002	0.077	0.962	0.002	-0.008	-0.30	0.15
20	14.333	1.028	1063.43	1400.4	529.5	79.9	0.985	0.967	1.000	0.065	0.968	0.003	-0.006	-0.33	0.15
21	14.666	1.028	1063.51	1402.1	530.2	79.8	0.987	0.967	1.001	0.068	0.967	0.003	-0.004	-0.26	0.16
22	15.000	1.027	1062.67	1396.7	528.9	79.9	0.982	0.972	1.001	0.058	0.972	0.003	-0.002	-0.14	0.18
23	15.333	1.025	1061.34	1399.7	528.1	80.1	0.990	0.971	1.001	0.059	0.971	0.003	-0.001	-0.09	0.18
24	15.666	1.024	1061.41	1399.4	528.1	80.0	0.992	0.973	1.001	0.055	0.973	0.003	0.001	0.07	0.18
25	16.000	1.024	1063.04	1398.7	528.1	80.0	0.998	0.978	1.001	0.048	0.978	0.003	0.004	0.23	0.19
26	16.333	1.027	1062.81	1399.6	528.9	79.8	1.005	0.982	1.001	0.037	0.982	0.004	0.007	0.39	0.22
27	16.666	1.027	1062.34	1399.7	528.7	79.9	1.014	0.990	1.001	0.032	0.990	0.003	0.010	0.55	0.20
28	17.000	1.027	1063.07	1400.1	529.2	79.9	1.037	1.000	1.001	0.001	1.000	0.003	0.013	0.72	0.20
29	17.333	1.028	1063.52	1399.8	529.3	79.8	1.040	1.009	1.001	-0.018	1.009	0.003	0.016	0.89	0.20
30	17.666	1.027	1062.53	1397.9	528.1	79.9	1.033	1.021	1.002	-0.039	1.020	0.003	0.019	1.08	0.18
31	18.000	1.028	1063.88	1399.1	529.1	80.0	1.056	1.030	1.001	-0.059	1.030	0.003	0.023	1.27	0.18
32	18.333	1.028	1063.93	1400.4	529.7	80.0	1.062	1.042	1.000	-0.083	1.042	0.003	0.027	1.47	0.17
33	18.666	1.027	1062.77	1398.9	529.0	79.9	1.097	1.055	1.000	-0.109	1.054	0.003	0.030	1.65	0.18
34	19.000	1.028	1063.25	1398.5	528.7	79.8	1.077	1.039	1.000	-0.078	1.039	0.003	0.025	1.39	0.19

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
IC-484 323 2.999 0.01 48 0.00 -3.00 4-210 2-3-77 TRANSONIC 47

POINT	X	Y	YH	PT	Q	IT	ML	YH/VN	PFL/PT	CPL	UL/VN	VL/VN	ML/VN	AAL	SWL
1	9.000	1.022	1059.41	1399.8	526.8	80.0	1.103	1.064	0.998	-0.131	1.064	0.003	0.006	0.33	0.17
2	9.333	1.023	1059.61	1399.6	527.5	79.9	1.116	1.074	1.000	-0.144	1.074	0.004	0.010	0.54	0.21
3	9.666	1.025	1061.46	1399.7	528.2	80.0	1.099	1.058	0.998	-0.117	1.058	0.004	0.008	0.45	0.19
4	10.000	1.026	1062.31	1399.6	528.6	80.1	1.082	1.052	0.999	-0.105	1.052	0.003	0.007	0.36	0.18
5	10.333	1.026	1061.71	1399.6	528.4	80.0	1.067	1.033	1.000	-0.065	1.033	0.004	0.004	0.22	0.21
6	10.666	1.026	1061.55	1399.8	528.0	80.0	1.036	1.008	1.001	-0.016	1.008	0.003	0.000	0.03	0.19
7	11.000	1.026	1061.79	1399.6	528.0	80.0	1.007	0.985	1.001	0.031	0.985	0.003	0.000	-0.21	0.18
8	11.333	1.025	1061.13	1399.3	527.6	80.0	0.992	0.973	1.001	0.055	0.973	0.003	0.007	-0.40	0.16
9	11.666	1.027	1062.96	1399.5	528.9	80.0	0.967	0.968	1.001	0.066	0.968	0.003	0.009	-0.51	0.16
10	12.000	1.025	1061.01	1399.6	528.0	80.0	0.966	0.968	1.002	0.066	0.968	0.003	0.009	-0.55	0.15
11	12.333	1.026	1061.65	1399.5	528.0	80.0	0.987	0.969	1.002	0.066	0.968	0.003	0.010	-0.57	0.16
12	12.666	1.027	1062.69	1399.4	528.3	80.1	0.989	0.967	1.001	0.068	0.967	0.003	0.010	-0.60	0.16
13	13.000	1.027	1062.80	1399.2	528.6	80.1	0.985	0.966	1.001	0.069	0.966	0.003	0.009	-0.55	0.18
14	13.333	1.027	1063.08	1400.7	529.4	80.0	0.987	0.967	1.001	0.067	0.967	0.003	0.009	-0.51	0.16
15	13.666	1.027	1062.53	1400.2	529.0	79.9	0.986	0.967	1.001	0.067	0.967	0.003	0.008	-0.46	0.18
16	14.000	1.027	1062.95	1399.9	528.6	80.0	0.987	0.967	1.001	0.067	0.967	0.003	0.006	-0.38	0.19
17	14.333	1.027	1062.64	1398.5	528.3	80.0	0.988	0.969	1.001	0.065	0.969	0.003	0.005	-0.30	0.20
18	14.666	1.028	1063.37	1400.1	529.3	79.9	0.993	0.972	1.001	0.058	0.972	0.003	0.004	-0.22	0.20
19	15.000	1.027	1062.27	1400.1	528.8	79.9	0.995	0.974	1.001	0.053	0.974	0.003	0.002	-0.12	0.20
20	15.333	1.026	1061.90	1399.0	528.1	80.1	0.996	0.976	1.002	0.051	0.976	0.004	0.000	-0.02	0.22
21	15.666	1.027	1062.65	1399.1	528.6	80.0	1.001	0.979	1.001	0.043	0.979	0.004	0.002	0.12	0.26
22	16.000	1.026	1062.09	1398.4	528.0	80.0	1.007	0.984	1.002	0.034	0.984	0.004	0.004	0.26	0.26
23	16.333	1.026	1062.22	1399.8	528.7	79.9	1.013	0.990	1.001	0.022	0.989	0.005	0.007	0.41	0.27
24	16.666	1.027	1062.46	1399.5	528.6	80.0	1.022	0.997	1.001	0.008	0.997	0.004	0.009	0.54	0.25
25	17.000	1.027	1062.92	1400.0	529.0	80.1	1.034	1.006	1.001	-0.011	1.006	0.005	0.012	0.70	0.27
26	17.333	1.026	1063.17	1399.7	529.1	79.9	1.050	1.018	1.001	-0.034	1.017	0.005	0.017	0.93	0.26
27	17.666	1.027	1063.12	1400.0	529.1	80.1	1.023	0.997	1.001	0.007	0.997	0.005	0.009	0.53	0.27
28	18.000	1.029	1064.16	1399.3	529.4	79.9	1.034	1.005	1.001	-0.008	1.004	0.005	0.012	0.71	0.27
29	18.333	1.027	1062.86	1399.5	528.9	79.8	1.051	1.019	1.001	-0.037	1.019	0.005	0.017	0.95	0.26
30	18.666	1.027	1062.25	1398.9	528.4	79.8	1.067	1.032	1.001	-0.063	1.032	0.004	0.021	1.15	0.25
31	19.000	1.028	1063.85	1399.1	529.1	80.1	1.085	1.055	1.000	-0.089	1.044	0.005	0.025	1.36	0.26
32	19.333	1.026	1062.06	1399.3	528.9	79.9	1.067	1.031	1.000	-0.105	1.052	0.005	0.027	1.48	0.27
33	19.666	1.028	1063.21	1399.2	528.9	80.0	1.067	1.031	1.000	-0.063	1.031	0.006	0.021	1.17	0.31
34	19.000	1.027	1062.62	1399.6	528.8	79.8	1.006	0.983	1.000	0.034	0.983	0.006	0.012	0.71	0.34

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
TC-484 324 2.996 0.01 40 0.00 -2.00 4-211 2- 3-77 TRANSONIC 47

POINT	X	Y	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SUL
1	9.000	1.021	1057.30	1399.2	526.1	80.1	1.071	1.049	0.994	0.994	-0.098	1.049	0.003	-0.007	-0.36	0.17
2	9.333	1.022	1058.26	1399.9	526.4	79.9	1.074	1.042	0.999	0.999	-0.085	1.042	0.003	-0.006	-0.31	0.17
3	9.666	1.024	1059.46	1399.5	527.4	80.0	1.065	1.036	0.999	0.999	-0.072	1.036	0.004	-0.005	-0.26	0.19
4	10.000	1.024	1059.91	1399.6	527.5	80.0	1.065	1.033	1.000	1.000	-0.065	1.033	0.003	-0.004	-0.24	0.18
5	10.333	1.024	1059.71	1399.8	527.5	79.9	1.058	1.028	1.001	1.001	-0.054	1.028	0.004	-0.004	-0.22	0.20
6	10.666	1.023	1059.10	1399.2	526.9	80.0	1.046	1.018	1.001	1.001	-0.035	1.018	0.003	-0.005	-0.27	0.17
7	11.000	1.023	1060.59	1398.8	527.5	79.9	1.028	1.003	1.001	1.001	-0.004	1.003	0.003	-0.006	-0.33	0.14
8	11.333	1.025	1060.63	1398.3	527.4	79.9	1.017	0.994	1.001	1.001	0.014	0.994	0.002	-0.007	-0.39	0.14
9	11.666	1.025	1061.31	1399.8	528.2	80.0	1.011	0.984	1.001	1.001	0.024	0.984	0.002	-0.007	-0.42	0.13
10	12.000	1.025	1061.41	1399.6	528.2	80.0	1.009	0.986	1.002	1.002	0.029	0.986	0.002	-0.007	-0.42	0.13
11	12.333	1.025	1060.71	1399.6	527.9	79.9	1.006	0.985	1.001	1.001	0.032	0.985	0.002	-0.007	-0.40	0.13
12	12.666	1.025	1060.78	1398.2	527.5	79.9	1.004	0.983	1.002	1.002	0.036	0.983	0.002	-0.007	-0.38	0.13
13	13.000	1.025	1060.91	1399.6	527.9	80.1	1.006	0.985	1.001	1.001	0.032	0.985	0.002	-0.006	-0.35	0.13
14	13.333	1.024	1060.49	1398.8	527.4	80.1	1.008	0.987	1.002	1.002	0.029	0.987	0.002	-0.005	-0.29	0.13
15	13.666	1.025	1061.41	1399.8	528.3	80.0	1.009	0.987	1.001	1.001	0.028	0.987	0.002	-0.004	-0.23	0.14
16	14.000	1.027	1062.37	1400.1	528.8	80.0	1.012	0.988	1.001	1.001	0.025	0.988	0.003	-0.003	-0.16	0.16
17	14.333	1.026	1061.53	1397.7	527.6	79.9	1.014	0.991	1.002	1.002	0.021	0.991	0.003	-0.003	-0.08	0.16
18	14.666	1.026	1061.53	1397.7	527.6	79.9	1.017	0.993	1.001	1.001	0.017	0.993	0.003	-0.003	-0.08	0.16
19	15.000	1.026	1062.04	1398.5	528.2	79.8	1.020	0.995	1.001	1.001	0.012	0.995	0.004	-0.001	-0.02	0.16
20	15.333	1.027	1062.35	1398.9	528.4	80.0	1.024	0.996	1.002	1.002	0.006	0.996	0.004	0.003	0.17	0.21
21	15.666	1.027	1062.48	1398.0	528.1	80.0	1.030	1.003	1.002	1.002	-0.003	1.003	0.005	0.004	0.25	0.22
22	16.000	1.028	1063.93	1400.6	529.7	80.0	1.040	1.009	1.000	1.000	-0.018	1.009	0.005	0.006	0.37	0.27
23	16.333	1.027	1062.86	1399.5	529.8	80.1	1.046	1.015	1.001	1.001	-0.029	1.015	0.005	0.006	0.37	0.27
24	16.666	1.028	1063.54	1399.5	529.2	80.0	1.060	1.026	1.001	1.001	-0.049	1.026	0.005	0.008	0.46	0.29
25	17.000	1.027	1063.11	1399.2	528.8	80.0	1.067	1.032	1.001	1.001	-0.062	1.032	0.005	0.010	0.56	0.29
26	17.333	1.028	1063.90	1398.8	529.1	80.0	1.078	1.048	1.001	1.001	-0.078	1.048	0.005	0.012	0.65	0.27
27	17.666	1.027	1062.92	1400.0	529.1	79.9	1.088	1.048	1.001	1.001	-0.095	1.048	0.006	0.013	0.74	0.30
28	18.000	1.028	1063.62	1400.0	529.4	79.9	1.092	1.050	1.000	1.000	-0.100	1.050	0.006	0.015	0.83	0.31
29	18.333	1.028	1063.37	1398.6	529.7	79.9	1.086	1.046	1.000	1.000	-0.091	1.046	0.006	0.016	0.85	0.33
30	18.666	1.028	1063.37	1399.7	529.1	80.0	1.063	1.028	1.000	1.000	-0.056	1.028	0.007	0.011	0.60	0.35
31	19.000	1.027	1062.94	1401.0	529.4	80.1	1.039	1.010	1.000	1.000	-0.019	1.009	0.006	0.009	0.49	0.40
32	19.000	1.027	1062.94	1401.0	529.4	80.1	1.039	1.010	1.000	1.000	-0.019	1.009	0.006	0.009	0.49	0.40

TEST PART REX10-6 ALPHA WING Y. 2 PUN SURVET DATE 2-3-77 AEDC PROPLUSTON WIND TUNNEL
TC-484 315 2.999 0.01 45 1.00 -5.00 4-202

POINT	X	Y	W	VU	PT	O	TT	ML	VML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
1	9.000	1.022	1.022	1058.70	1399.2	526.8	79.9	1.096	1.059	1.001	-0.116	1.059	0.001	0.005	0.29	0.04
2	9.666	1.022	1.022	1058.34	1398.9	526.5	79.9	1.110	1.069	1.000	-0.138	1.069	-0.000	0.011	0.57	-0.02
3	10.333	1.023	1.023	1059.28	1398.6	526.9	79.8	1.099	1.060	1.001	-0.118	1.060	-0.000	0.010	0.56	-0.01
4	11.000	1.023	1.023	1059.65	1399.3	527.2	80.0	1.070	1.037	1.001	-0.074	1.037	0.001	0.006	0.31	0.04
5	11.666	1.024	1.024	1050.04	1398.9	527.3	80.0	0.995	0.977	1.001	0.048	0.977	0.001	-0.005	-0.31	0.08
6	12.333	1.024	1.024	1060.60	1399.0	527.6	80.0	0.980	0.964	1.001	0.075	0.964	0.002	-0.009	-0.53	0.10
7	13.000	1.024	1.024	1060.21	1399.6	527.7	79.9	0.976	0.961	1.001	0.080	0.961	0.001	-0.009	-0.53	0.09
8	13.666	1.025	1.025	1061.05	1399.1	527.9	79.9	0.977	0.961	1.001	0.081	0.960	0.001	-0.009	-0.53	0.07
9	14.333	1.024	1.024	1061.65	1399.1	528.2	79.9	0.979	0.962	1.001	0.078	0.962	0.001	-0.007	-0.43	0.07
10	15.000	1.025	1.025	1061.25	1398.9	527.9	79.8	0.983	0.966	1.001	0.070	0.966	0.001	-0.005	-0.29	0.08
11	15.666	1.025	1.025	1060.89	1398.2	527.5	79.8	0.988	0.970	1.002	0.062	0.970	0.001	-0.002	-0.09	0.07
12	16.333	1.027	1.027	1062.73	1397.5	528.1	79.9	1.001	0.979	1.002	0.046	0.979	0.001	0.003	0.15	0.06
13	17.000	1.028	1.028	1063.87	1399.7	529.4	80.0	1.013	0.988	1.001	0.026	0.988	0.001	0.008	0.44	0.07
14	17.666	1.028	1.028	1063.82	1400.0	529.5	80.0	1.035	1.005	1.001	-0.009	1.005	0.000	0.014	0.78	0.02
15	18.333	1.030	1.030	1064.98	1400.1	530.1	79.9	1.059	1.024	1.000	-0.047	1.023	0.001	0.020	1.13	0.03
16	19.000	1.026	1.026	1061.81	1399.6	528.4	80.0	1.093	1.053	1.001	-0.105	1.053	0.001	0.027	1.48	0.06

TEST PART REXIO-6 ALPHA WING Y DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 TC-484 325 2.998 0.01 48 1.00 -4.00 4-212 TRANSONIC 57

POINT	X	M	Y	PT	Q	TT	HL	VHL/YH	PIL/PT	CPL	HL/YH	YL/YH	VL/YH	WL/YH	AAL	SWL
1	9.000	1.020	1050.86	1399.9	526.1	80.0	1.123	1.081	1.000	-0.157	1.081	0.001	0.001	0.011	0.61	0.03
2	9.333	1.021	1059.15	1399.5	526.6	80.1	1.114	1.073	1.000	-0.146	1.073	0.001	0.001	0.010	0.56	0.03
3	9.666	1.022	1058.28	1398.6	526.3	80.0	1.100	1.062	0.999	-0.124	1.062	0.001	0.001	0.010	0.52	0.06
4	10.000	1.023	1058.94	1399.1	526.8	80.0	1.100	1.061	1.000	-0.122	1.061	0.001	0.001	0.010	0.54	0.06
5	10.333	1.022	1058.80	1399.2	526.8	80.0	1.097	1.051	1.000	-0.102	1.051	0.001	0.001	0.009	0.49	0.08
6	10.666	1.023	1059.57	1400.1	527.5	80.0	1.072	1.039	1.000	-0.078	1.039	0.002	0.002	0.006	0.35	0.09
7	11.000	1.025	1060.66	1399.5	527.8	80.0	1.041	1.013	1.000	-0.026	1.013	0.002	0.002	0.001	0.08	0.14
8	11.333	1.023	1059.23	1398.5	526.7	80.1	1.006	0.987	1.001	0.020	0.987	0.002	0.002	-0.004	-0.23	0.14
9	11.666	1.023	1059.34	1398.9	526.9	80.0	0.986	0.970	1.001	0.062	0.970	0.003	0.003	0.008	-0.47	0.17
10	12.000	1.025	1061.08	1400.5	528.4	80.0	0.983	0.966	1.001	0.070	0.966	0.003	0.003	-0.010	-0.57	0.17
11	12.333	1.025	1061.22	1400.2	528.3	80.0	0.980	0.963	1.001	0.076	0.963	0.003	0.003	-0.010	-0.61	0.17
12	12.666	1.025	1060.75	1398.9	527.7	79.9	0.979	0.963	1.001	0.077	0.963	0.002	0.002	-0.010	-0.61	0.14
13	13.000	1.025	1061.05	1399.1	527.8	80.1	0.979	0.963	1.001	0.076	0.963	0.002	0.002	-0.010	-0.60	0.13
14	13.333	1.025	1061.06	1399.5	527.9	80.1	0.980	0.963	1.001	0.075	0.963	0.002	0.002	-0.009	-0.56	0.14
15	13.666	1.025	1060.72	1400.2	528.1	80.0	0.980	0.964	1.001	0.074	0.964	0.002	0.002	-0.009	-0.51	0.14
16	14.000	1.025	1060.74	1398.5	527.4	80.0	0.979	0.963	1.002	0.077	0.963	0.002	0.002	-0.008	-0.46	0.12
17	14.333	1.026	1061.01	1399.4	528.3	80.0	0.980	0.963	1.001	0.075	0.963	0.002	0.002	-0.007	-0.41	0.11
18	14.666	1.027	1062.71	1399.6	528.7	80.1	0.984	0.965	1.001	0.071	0.965	0.002	0.002	-0.006	-0.33	0.11
19	15.000	1.025	1061.25	1399.1	527.9	80.0	0.987	0.969	1.002	0.065	0.969	0.002	0.002	-0.004	-0.21	0.13
20	15.333	1.026	1062.00	1399.2	528.3	80.0	0.999	0.969	1.001	0.063	0.969	0.002	0.002	-0.002	-0.12	0.11
21	15.666	1.026	1062.14	1398.7	528.1	80.1	0.992	0.972	1.001	0.057	0.972	0.002	0.002	0.000	0.00	0.12
22	16.000	1.027	1062.40	1398.9	528.3	80.0	0.998	0.977	1.001	0.048	0.977	0.003	0.003	0.003	0.17	0.18
23	16.333	1.027	1062.83	1400.4	529.2	80.0	1.006	0.983	1.001	0.035	0.983	0.003	0.003	0.006	0.34	0.16
24	16.666	1.027	1062.77	1399.9	528.9	80.0	1.014	0.989	1.001	0.023	0.989	0.003	0.003	0.009	0.50	0.19
25	17.000	1.028	1063.25	1399.7	528.7	80.0	1.026	0.999	1.002	0.005	0.998	0.003	0.003	0.011	0.66	0.16
26	17.333	1.028	1063.87	1399.9	529.5	80.0	1.041	1.010	1.001	-0.019	1.010	0.002	0.002	0.015	0.87	0.12
27	17.666	1.028	1063.65	1398.9	529.0	80.0	1.052	1.019	1.001	-0.037	1.019	0.002	0.002	0.019	1.06	0.13
28	18.000	1.029	1064.13	1400.6	529.9	79.9	1.066	1.030	1.000	-0.059	1.030	0.003	0.003	0.023	1.26	0.19
29	18.333	1.028	1063.57	1400.1	529.4	80.0	1.083	1.044	1.001	-0.084	1.043	0.003	0.003	0.027	1.46	0.16
30	18.666	1.028	1063.32	1399.8	529.1	80.1	1.098	1.056	1.000	-0.111	1.055	0.003	0.003	0.031	1.68	0.19
31	19.000	1.027	1062.50	1399.2	528.5	80.1	1.081	1.043	1.000	-0.086	1.043	0.004	0.004	0.026	1.43	0.23

TEST PART REX10-6 ALPHA 0.01 2 3.00 -3.00 RUN SURVEY 4-213 DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 47

POINT	X	M	VM	PT	Q	Z	TT	PL	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
1	9.000	1.021	1057.86	1399.7	526.5		80.0	1.107	1.068	0.999	-0.137	1.068	0.003	0.007	0.36	0.19
2	9.333	1.021	1057.44	1399.1	526.1		80.0	1.112	1.072	0.999	-0.145	1.072	0.002	0.010	0.33	0.13
3	9.666	1.023	1059.41	1397.7	526.5		80.1	1.101	1.062	1.000	-0.124	1.062	0.003	0.009	0.31	0.13
4	10.000	1.024	1059.93	1398.3	527.0		80.0	1.087	1.050	0.999	-0.101	1.050	0.003	0.007	0.40	0.17
5	10.333	1.024	1059.08	1400.7	527.9		80.1	1.070	1.037	0.999	-0.075	1.037	0.004	0.005	0.30	0.22
6	10.666	1.023	1059.17	1400.3	527.4		80.0	1.042	1.015	1.001	-0.030	1.015	0.004	0.001	0.26	0.26
7	11.000	1.022	1059.59	1399.0	526.6		80.1	1.009	0.990	1.001	0.022	0.990	0.004	-0.004	-0.21	0.23
8	11.333	1.023	1059.10	1399.4	527.0		80.0	0.992	0.975	1.000	0.051	0.975	0.004	-0.008	-0.25	0.22
9	11.666	1.024	1059.91	1400.0	527.6		80.1	0.987	0.970	1.001	0.060	0.970	0.003	-0.010	-0.28	0.20
10	12.000	1.023	1059.40	1399.4	527.1		80.1	0.985	0.969	1.001	0.064	0.969	0.003	-0.011	-0.20	0.19
11	12.333	1.024	1060.42	1400.4	528.0		80.1	0.982	0.966	1.001	0.070	0.966	0.003	-0.011	-0.64	0.19
12	12.666	1.024	1060.65	1399.5	527.7		80.1	0.980	0.964	1.001	0.074	0.964	0.003	-0.011	-0.57	0.19
13	13.000	1.024	1060.30	1399.4	527.5		80.1	0.982	0.966	1.002	0.070	0.966	0.003	-0.010	-0.52	0.17
14	13.333	1.024	1060.30	1399.2	527.5		80.1	0.982	0.965	1.001	0.071	0.965	0.003	-0.010	-0.50	0.16
15	13.666	1.023	1059.60	1399.4	527.3		80.0	0.982	0.966	1.002	0.070	0.966	0.003	-0.009	-0.51	0.16
16	14.000	1.024	1060.41	1399.4	527.7		79.9	0.985	0.968	1.002	0.067	0.968	0.002	-0.008	-0.45	0.14
17	14.333	1.024	1060.20	1399.0	527.4		80.0	0.985	0.968	1.002	0.067	0.968	0.002	-0.008	-0.37	0.14
18	14.666	1.026	1061.69	1398.6	527.9		80.1	0.988	0.969	1.001	0.064	0.969	0.002	-0.005	-0.27	0.15
19	15.000	1.025	1061.19	1398.6	527.7		80.1	0.990	0.972	1.002	0.059	0.972	0.003	-0.003	-0.16	0.17
20	15.333	1.026	1061.02	1398.8	528.6		79.9	0.986	0.975	1.001	0.051	0.975	0.003	-0.003	-0.03	0.18
21	15.666	1.026	1062.27	1399.9	528.7		80.0	0.999	0.978	1.001	0.046	0.978	0.004	0.002	0.11	0.26
22	16.000	1.027	1062.60	1398.8	528.5		79.9	1.005	0.982	1.001	0.037	0.982	0.004	0.005	0.29	0.25
23	16.333	1.026	1062.05	1398.7	528.2		79.9	1.013	0.989	1.001	0.023	0.989	0.005	0.008	0.46	0.28
24	16.666	1.027	1062.50	1398.7	528.4		79.9	1.022	0.996	1.001	0.009	0.996	0.005	0.011	0.64	0.30
25	17.000	1.027	1062.26	1399.1	528.5		79.9	1.035	1.007	1.001	-0.013	1.007	0.006	0.015	0.83	0.31
26	17.333	1.027	1062.62	1400.0	528.9		79.9	1.055	1.022	1.001	-0.043	1.022	0.005	0.019	1.07	0.30
27	17.666	1.027	1062.74	1399.5	528.4		79.9	1.075	1.038	1.001	-0.074	1.037	0.005	0.025	1.37	0.30
28	18.000	1.029	1064.37	1399.7	529.6		80.0	1.092	1.050	1.000	-0.099	1.049	0.004	0.029	1.60	0.35
29	18.333	1.028	1063.32	1400.0	529.2		80.0	1.101	1.058	1.000	-0.115	1.057	0.008	0.032	1.71	0.44
30	18.666	1.025	1061.45	1399.1	528.0		80.0	1.067	1.033	1.000	-0.066	1.033	0.008	0.024	1.35	0.46
31	19.000	1.027	1062.30	1398.8	528.3		79.9	1.004	0.982	1.000	0.036	0.981	0.007	0.014	0.81	0.42

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 JC-484 327 2.997 0.01 49 1.00 -2.00 4-214 2-3-77 TRANSONIC 43

POINT	X	Y	Z	P	Y _W	PT	Q	II	ML	VWL/VN	PIL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
1	9.000	1.021	1057.60	1399.4	526.3	1399.4	526.3	80.0	1.095	1.059	1.001	-0.117	1.059	0.008	0.000	0.01	0.41
2	9.333	1.022	1058.95	1399.3	526.5	1399.3	526.5	80.1	1.077	1.043	0.999	-0.088	1.043	0.008	0.000	0.00	0.42
3	9.666	1.022	1059.91	1399.8	527.1	1399.8	527.1	80.0	1.046	1.035	0.999	-0.071	1.035	0.007	-0.000	-0.01	0.41
4	10.000	1.024	1059.95	1399.3	527.3	1399.3	527.3	80.0	1.055	1.025	1.000	-0.050	1.025	0.008	-0.001	-0.03	0.43
5	10.333	1.023	1059.14	1399.9	526.8	1399.9	526.8	80.1	1.045	1.018	1.000	-0.035	1.018	0.007	-0.002	-0.09	0.41
6	10.666	1.024	1059.25	1399.1	527.4	1399.1	527.4	80.1	1.028	1.003	1.000	-0.006	1.003	0.006	-0.004	-0.24	0.46
7	11.000	1.024	1060.21	1398.8	527.7	1398.8	527.7	79.9	1.009	0.998	1.001	0.025	0.998	0.004	-0.008	-0.44	0.42
8	11.333	1.024	1059.90	1399.0	527.3	1399.0	527.3	79.9	1.000	0.991	1.001	0.041	0.991	0.002	-0.011	-0.64	0.43
9	11.666	1.024	1060.25	1399.1	527.4	1399.1	527.4	80.0	0.996	0.977	1.001	0.047	0.977	0.002	-0.012	-0.71	0.49
10	12.000	1.023	1059.67	1397.6	526.6	1397.6	526.6	80.0	0.993	0.975	1.002	0.052	0.975	0.000	-0.013	-0.74	0.53
11	12.333	1.025	1061.07	1399.9	528.1	1399.9	528.1	80.0	0.993	0.974	1.001	0.053	0.974	0.000	-0.013	-0.75	0.51
12	12.666	1.025	1061.02	1400.4	528.3	1400.4	528.3	80.1	0.991	0.973	1.001	0.056	0.973	-0.002	-0.012	-0.72	-0.02
13	13.000	1.025	1060.87	1400.3	528.1	1400.3	528.1	80.1	0.992	0.973	1.001	0.055	0.973	-0.001	-0.011	-0.66	-0.03
14	13.333	1.025	1061.10	1399.2	527.9	1399.2	527.9	79.9	0.992	0.973	1.001	0.055	0.973	-0.001	-0.010	-0.59	-0.03
15	13.666	1.026	1061.86	1399.3	528.3	1399.3	528.3	80.0	0.993	0.973	1.001	0.055	0.973	-0.000	-0.009	-0.53	-0.02
16	14.000	1.025	1060.86	1399.6	527.6	1399.6	527.6	80.0	0.998	0.976	1.002	0.047	0.976	-0.000	-0.007	-0.43	-0.00
17	14.333	1.027	1062.57	1400.1	528.9	1400.1	528.9	80.1	1.000	0.979	1.001	0.044	0.979	0.000	-0.005	-0.31	0.02
18	14.666	1.025	1060.71	1399.8	528.0	1399.8	528.0	79.9	1.003	0.982	1.002	0.038	0.982	0.001	-0.004	-0.22	0.09
19	15.000	1.025	1061.30	1399.2	528.0	1399.2	528.0	80.0	1.005	0.983	1.001	0.035	0.983	0.001	-0.001	-0.07	0.08
20	15.333	1.026	1061.94	1398.5	528.0	1398.5	528.0	80.0	1.010	0.987	1.001	0.027	0.987	0.001	0.001	0.04	0.15
21	15.666	1.027	1062.75	1398.7	528.6	1398.7	528.6	79.8	1.014	0.990	1.001	0.023	0.989	0.004	0.004	0.24	0.24
22	16.000	1.026	1062.24	1398.5	528.2	1398.5	528.2	80.0	1.012	0.996	1.001	0.020	0.996	0.006	0.007	0.41	0.32
23	16.333	1.028	1063.26	1399.3	528.9	1399.3	528.9	80.0	1.032	1.004	1.001	-0.007	1.004	0.008	0.011	0.61	0.45
24	16.666	1.027	1062.80	1399.2	528.6	1399.2	528.6	80.1	1.034	1.014	1.002	-0.026	1.014	0.009	0.013	0.76	0.53
25	17.000	1.028	1063.77	1399.7	529.1	1399.7	529.1	79.9	1.055	1.022	1.001	-0.042	1.022	0.012	0.018	1.00	0.66
26	17.333	1.029	1063.95	1398.7	529.3	1398.7	529.3	79.9	1.057	1.031	1.001	-0.060	1.030	0.014	0.021	1.19	0.88
27	17.666	1.029	1064.50	1399.8	529.8	1399.8	529.8	80.0	1.078	1.039	1.000	-0.077	1.038	0.017	0.025	1.40	0.93
28	18.000	1.029	1064.42	1399.6	529.6	1399.6	529.6	80.0	1.082	1.042	1.000	-0.084	1.041	0.019	0.026	1.45	1.06
29	18.333	1.029	1064.73	1400.2	530.0	1400.2	530.0	80.0	1.081	1.025	1.000	-0.050	1.025	0.018	0.022	1.23	1.03
30	18.666	1.029	1064.72	1400.0	529.9	1400.0	529.9	80.0	1.035	0.997	1.000	0.006	0.997	0.014	0.015	0.78	0.78
32	19.000	1.029	1064.51	1398.8	529.4	1398.8	529.4	79.8	1.009	0.984	1.001	0.033	0.984	0.010	0.011	0.63	0.57

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TEST PART RE10-6 ALPHA MING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 316 2.999 0.01 43 1.50 -5.00 4-203 2-3-77 TRANSONIC AT

POINT	X	H	VH	PT	Q	IT	VL	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	EWL
1	9.000	1.022	1037.70	1398.2	526.2	79.5	1.092	1.056	1.001	-0.110	1.056	-0.000	0.003	0.18	-0.02
2	9.666	1.023	1050.59	1396.1	525.7	79.6	1.110	1.069	1.000	-0.137	1.069	-0.002	0.010	0.52	-0.09
3	10.333	1.024	1059.60	1396.3	526.2	79.7	1.095	1.057	1.000	-0.113	1.056	-0.001	0.008	0.45	-0.06
4	11.000	1.024	1060.00	1398.2	527.5	79.8	1.074	1.040	1.001	-0.078	1.040	-0.001	0.005	0.28	-0.04
5	11.666	1.024	1059.83	1398.5	527.0	80.0	0.996	0.978	1.001	0.045	0.978	0.001	-0.006	-0.36	0.06
6	12.333	1.025	1061.04	1398.3	527.6	79.2	0.974	0.962	1.001	0.078	0.962	0.002	-0.010	-0.62	0.11
7	13.000	1.025	1060.65	1398.9	527.7	79.7	0.978	0.962	1.001	0.079	0.962	0.002	-0.011	-0.66	0.10
8	13.666	1.025	1061.23	1398.1	527.6	79.9	0.977	0.961	1.001	0.081	0.960	0.001	-0.010	-0.60	0.09
9	14.333	1.027	1063.08	1398.0	528.6	80.0	0.980	0.961	1.001	0.079	0.961	0.001	-0.009	-0.51	0.07
10	15.000	1.026	1062.22	1400.0	528.8	79.9	0.985	0.966	1.001	0.069	0.966	0.000	-0.007	-0.39	0.03
11	15.666	1.026	1061.83	1400.2	528.7	79.7	0.990	0.970	1.001	0.081	0.970	0.000	-0.003	-0.17	0.03
12	16.333	1.028	1063.55	1398.5	528.9	79.8	0.998	0.975	1.001	0.051	0.975	0.000	0.002	0.01	0.01
13	17.000	1.029	1063.89	1398.0	528.6	79.8	1.013	0.988	1.001	0.027	0.987	0.000	0.007	0.39	0.01
14	17.666	1.030	1065.11	1399.2	529.8	79.9	1.032	1.002	1.001	-0.003	1.002	-0.000	0.012	0.68	-0.02
15	18.333	1.030	1064.96	1399.5	529.8	80.0	1.059	1.023	1.001	-0.046	1.023	-0.000	0.018	1.03	-0.02
16	19.000	1.026	1061.34	1398.5	527.8	79.8	1.093	1.054	1.001	-0.107	1.053	0.001	0.027	1.45	0.03

TEST PART AX10-6 ALPHA WING Y 2 -4.00 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 SC-484 328 2.997 0.01 45 1.50 4-215 TRANSONIC 45

POINT	X	M	VH	PT	O	TT	HL	VHL/VH	PTI/PT	CPH	UL/VH	VL/VH	ML/VH	ABL	SWL
1	9.000	1.021	1057.39	1399.0	526.1	79.9	1.116	1.076	1.000	-0.150	1.075	-0.001	0.009	0.48	-0.04
2	9.333	1.022	1050.07	1397.8	526.0	79.9	1.117	1.075	1.000	-0.150	1.075	-0.001	0.010	0.53	-0.05
3	9.666	1.024	1060.06	1399.5	527.5	80.0	1.099	1.060	0.999	-0.121	1.060	0.000	0.008	0.45	0.01
4	10.000	1.026	1061.58	1400.7	528.7	80.0	1.106	1.063	1.000	-0.126	1.063	-0.001	0.009	0.49	-0.06
5	10.333	1.024	1060.45	1399.1	527.6	79.9	1.066	1.051	1.000	-0.101	1.051	-0.000	0.008	0.46	-0.03
6	10.666	1.023	1059.23	1398.5	526.7	80.0	1.072	1.039	1.000	-0.078	1.039	0.001	0.006	0.32	0.05
7	11.000	1.024	1060.39	1398.4	527.3	79.9	1.039	1.012	1.001	-0.024	1.012	0.002	0.001	0.04	0.10
8	11.333	1.025	1061.45	1399.3	528.1	80.0	1.003	0.982	1.001	0.037	0.982	0.002	-0.005	-0.30	0.15
9	11.666	1.024	1060.04	1398.5	527.1	80.0	0.983	0.967	1.001	0.068	0.967	0.003	-0.009	-0.54	0.18
10	12.000	1.024	1060.59	1398.8	527.4	80.1	0.981	0.965	1.001	0.072	0.965	0.003	-0.010	-0.61	0.20
11	12.333	1.026	1061.81	1399.4	528.3	80.0	0.982	0.964	1.001	0.073	0.964	0.003	-0.011	-0.67	0.17
12	12.666	1.025	1061.43	1400.8	528.6	80.0	0.979	0.962	1.001	0.077	0.962	0.003	-0.012	-0.69	0.15
13	13.000	1.025	1060.80	1398.8	527.6	79.9	0.975	0.960	1.001	0.082	0.960	0.003	-0.011	-0.68	0.15
14	13.333	1.026	1061.48	1399.2	527.7	80.0	0.978	0.961	1.001	0.079	0.961	0.002	-0.011	-0.65	0.13
15	13.666	1.026	1061.97	1400.3	528.7	80.0	0.982	0.964	1.000	0.073	0.964	0.002	-0.010	-0.60	0.13
16	14.000	1.026	1062.40	1399.2	528.5	80.1	0.979	0.961	1.002	0.080	0.961	0.002	-0.009	-0.54	0.10
17	14.333	1.025	1061.10	1399.0	527.6	80.0	0.981	0.964	1.001	0.073	0.964	0.001	-0.008	-0.47	0.08
18	14.666	1.027	1062.81	1399.2	528.2	79.8	0.984	0.965	1.001	0.072	0.965	0.001	-0.007	-0.41	0.07
19	15.000	1.026	1061.85	1398.9	528.2	79.9	0.986	0.968	1.001	0.067	0.968	0.001	-0.005	-0.31	0.08
20	15.333	1.027	1062.35	1398.5	528.3	79.8	0.988	0.968	1.001	0.065	0.968	0.001	-0.003	-0.18	0.09
21	15.666	1.027	1062.79	1398.2	526.3	80.1	0.993	0.972	1.001	0.057	0.972	0.001	-0.001	-0.04	0.08
22	16.000	1.028	1063.27	1399.9	529.2	80.0	1.000	0.977	1.001	0.047	0.977	0.002	0.002	0.12	0.11
23	16.333	1.028	1063.90	1401.5	530.1	79.9	1.006	0.982	1.000	0.037	0.982	0.002	0.005	0.29	0.10
24	16.666	1.028	1063.47	1399.9	529.3	80.0	1.015	0.990	1.001	0.022	0.989	0.002	0.008	0.48	0.10
25	17.000	1.028	1063.75	1399.1	529.0	80.1	1.026	0.998	1.001	0.004	0.998	0.002	0.011	0.64	0.10
26	17.333	1.028	1063.27	1400.1	529.2	80.0	1.039	1.009	1.001	-0.016	1.009	0.001	0.014	0.80	0.06
27	17.666	1.027	1062.71	1399.2	528.6	80.0	1.050	1.019	1.001	-0.036	1.018	0.001	0.018	1.00	0.05
28	18.000	1.028	1063.10	1398.6	528.7	79.8	1.066	1.031	1.001	-0.060	1.030	0.001	0.022	1.23	0.07
29	18.333	1.028	1063.88	1397.6	528.6	80.0	1.084	1.044	1.001	-0.087	1.044	0.002	0.027	1.46	0.10
30	18.666	1.029	1064.28	1400.5	529.8	80.2	1.102	1.058	1.000	-0.116	1.058	0.003	0.032	1.72	0.16
31	19.000	1.028	1063.39	1400.9	529.7	79.7	1.075	1.038	0.999	-0.076	1.037	0.003	0.025	1.37	0.18

TEST PART RFX10-6 ALPHA WING Y 2 RUN SURVEY DATE 3-3-77 AEDC PROPULSION WIND TUNNEL
 IC-464 329 2.995 0.01 41 1.50 -3.00 4-216 TRANSONIC 47

POINT	K	M	W	Y4	PI	Q	IT	ML	VML/VH	DTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SML
1	9.000	1.022	1058.62	1398.1	526.3	80.0	1.115	1.074	0.999	-0.148	1.074	0.999	0.002	0.008	0.42	0.10
2	9.333	1.024	1059.60	1399.2	527.3	79.8	1.108	1.066	0.999	-0.134	1.066	0.999	0.002	0.008	0.44	0.10
3	9.666	1.024	1059.81	1399.4	527.4	79.6	1.107	1.066	1.000	-0.131	1.066	0.001	0.001	0.009	0.47	0.04
4	10.000	1.023	1059.74	1398.5	526.8	79.6	1.091	1.054	1.000	-0.109	1.054	0.002	0.002	0.008	0.42	0.11
5	10.333	1.024	1059.75	1399.1	527.3	79.9	1.074	1.040	1.000	-0.080	1.040	0.003	0.003	0.006	0.31	0.15
6	10.666	1.023	1059.35	1398.9	527.1	79.7	1.044	1.016	1.000	-0.033	1.016	0.004	0.004	0.001	0.07	0.22
7	11.000	1.024	1059.57	1397.8	526.7	79.6	1.010	0.989	1.000	0.032	0.989	0.004	0.004	-0.004	-0.23	0.26
8	11.333	1.025	1060.79	1398.2	527.5	79.7	0.941	0.972	1.001	0.056	0.972	0.005	0.005	-0.008	-0.50	0.28
9	11.666	1.025	1060.86	1399.5	527.9	79.9	0.987	0.969	1.001	0.082	0.969	0.005	0.005	-0.011	-0.64	0.28
10	12.000	1.025	1060.77	1400.3	528.2	79.9	0.966	0.969	1.001	0.084	0.969	0.004	0.004	-0.012	-0.72	0.26
11	12.333	1.026	1061.44	1398.3	527.8	79.9	0.981	0.944	1.002	0.074	0.964	0.004	0.004	-0.013	-0.76	0.24
12	12.666	1.026	1061.70	1399.0	528.1	80.0	0.982	0.964	1.001	0.073	0.964	0.004	0.004	-0.013	-0.75	0.23
13	13.000	1.025	1061.30	1399.2	528.0	80.0	0.983	0.965	1.002	0.072	0.965	0.003	0.003	-0.012	-0.72	0.19
14	13.333	1.025	1061.07	1399.9	528.1	80.0	0.981	0.964	1.001	0.074	0.964	0.003	0.003	-0.012	-0.69	0.19
15	13.666	1.025	1061.15	1398.9	527.8	79.9	0.982	0.965	1.001	0.073	0.965	0.003	0.003	-0.010	-0.62	0.15
16	14.000	1.027	1062.35	1398.9	528.9	80.0	0.984	0.966	1.002	0.071	0.966	0.002	0.002	-0.009	-0.55	0.14
17	14.333	1.026	1061.91	1399.2	528.4	79.8	0.986	0.967	1.001	0.067	0.967	0.002	0.002	-0.008	-0.47	0.13
18	14.666	1.025	1061.20	1399.0	527.9	79.5	0.987	0.969	1.001	0.064	0.969	0.002	0.002	-0.006	-0.37	0.14
19	15.000	1.027	1062.64	1398.1	528.3	79.7	0.988	0.969	1.001	0.064	0.969	0.002	0.002	-0.004	-0.26	0.15
20	15.333	1.026	1061.72	1397.1	527.5	79.8	0.984	0.974	1.001	0.054	0.974	0.002	0.002	-0.002	-0.10	0.14
21	15.666	1.026	1062.09	1398.6	528.2	79.9	0.998	0.977	1.001	0.047	0.977	0.003	0.003	0.001	0.06	0.18
22	16.000	1.027	1062.81	1399.6	528.9	79.9	1.003	0.981	1.001	0.041	0.981	0.004	0.004	0.001	0.25	0.21
23	16.333	1.027	1062.46	1399.5	528.7	79.9	1.012	0.988	1.001	0.025	0.988	0.004	0.004	0.008	0.45	0.25
24	16.666	1.027	1062.35	1398.5	528.4	79.6	1.023	0.996	1.001	0.009	0.996	0.004	0.004	0.011	0.64	0.24
25	17.000	1.027	1062.69	1398.0	528.3	79.7	1.040	1.010	1.001	-0.019	1.010	0.004	0.004	0.015	0.88	0.24
26	17.333	1.027	1062.84	1397.9	528.3	79.8	1.057	1.024	1.001	-0.047	1.024	0.004	0.004	0.020	1.12	0.22
27	17.666	1.026	1061.44	1398.3	527.8	79.9	1.077	1.041	1.001	-0.081	1.041	0.004	0.004	0.025	1.40	0.25
28	18.000	1.027	1063.01	1399.4	528.9	79.9	1.096	1.054	1.000	-0.108	1.054	0.005	0.005	0.031	1.67	0.30
29	18.333	1.026	1061.74	1398.5	528.0	79.8	1.108	1.064	1.000	-0.128	1.064	0.007	0.007	0.034	1.84	0.40
30	18.666	1.026	1062.19	1398.6	528.2	79.9	1.073	1.037	0.999	-0.076	1.037	0.009	0.009	0.025	1.41	0.47
31	19.000	1.027	1062.45	1398.5	528.3	79.8	0.998	0.977	0.999	0.046	0.977	0.007	0.007	0.016	0.79	0.40

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 330 2.995 0.01 48 1.50 -2.00 4-217 2-3-77 TRANSONIC 47

POINT	X	M	VM	PT	Q	IT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.000	1.023	1059.00	1396.7	526.1	79.7	1.108	1.067	1.000	-0.134	1.067	0.004	0.005	0.28	0.24
2	9.333	1.025	1060.77	1400.1	528.1	79.9	1.101	1.060	0.998	-0.122	1.060	0.005	0.004	0.24	0.26
3	9.666	1.025	1060.78	1400.5	528.2	80.0	1.087	1.049	0.999	-0.099	1.049	0.005	0.003	0.18	0.29
4	10.000	1.024	1060.49	1398.6	527.4	79.9	1.065	1.032	1.000	-0.064	1.032	0.007	0.001	0.08	0.38
5	10.333	1.024	1060.13	1398.1	527.1	79.9	1.043	1.015	1.000	-0.030	1.015	0.007	-0.001	-0.04	0.42
6	10.666	1.025	1060.35	1398.9	527.6	79.7	1.019	0.996	1.000	0.009	0.996	0.007	-0.004	-0.24	0.42
7	11.000	1.024	1060.11	1397.1	526.7	79.8	1.001	0.981	1.001	0.039	0.981	0.006	-0.009	-0.51	0.38
8	11.333	1.026	1061.78	1397.8	527.8	79.8	0.993	0.973	1.001	0.056	0.973	0.005	-0.013	-0.75	0.31
9	11.666	1.026	1061.71	1399.4	527.4	79.7	0.990	0.970	1.001	0.061	0.970	0.004	-0.015	-0.88	0.24
10	12.000	1.025	1060.93	1398.1	527.7	79.9	0.986	0.968	1.001	0.065	0.968	0.003	-0.016	-0.95	0.18
11	12.333	1.026	1062.22	1399.8	528.7	79.9	0.988	0.969	1.001	0.064	0.969	0.003	-0.016	-0.97	0.15
12	12.666	1.025	1061.42	1400.2	528.4	80.0	0.987	0.969	1.001	0.064	0.969	0.001	-0.016	-0.97	0.07
13	13.000	1.025	1061.32	1399.8	528.3	79.9	0.987	0.969	1.001	0.064	0.968	0.001	-0.015	-0.89	0.06
14	13.333	1.025	1061.05	1398.9	527.8	79.8	0.989	0.970	1.001	0.061	0.970	0.001	-0.014	-0.83	0.05
15	13.666	1.026	1061.50	1399.2	528.1	80.0	0.991	0.972	1.001	0.058	0.971	0.001	-0.012	-0.73	0.04
16	14.000	1.026	1061.82	1399.8	528.5	79.8	0.992	0.972	1.001	0.056	0.972	0.001	-0.011	-0.62	0.03
17	14.333	1.027	1062.81	1399.0	528.8	79.7	0.994	0.973	1.001	0.056	0.973	0.000	-0.009	-0.51	0.02
18	14.666	1.027	1062.42	1397.1	527.8	79.8	0.997	0.976	1.001	0.050	0.976	0.001	-0.006	-0.36	0.06
19	15.000	1.026	1062.19	1398.4	528.1	79.9	1.002	0.980	1.001	0.042	0.980	0.001	-0.004	-0.22	0.08
20	15.333	1.027	1062.14	1398.3	528.1	79.8	1.006	0.983	1.002	0.037	0.983	0.002	-0.001	-0.05	0.14
21	15.666	1.027	1062.55	1398.5	528.4	79.7	1.007	0.983	1.001	0.035	0.983	0.004	0.003	0.15	0.21
22	16.000	1.027	1062.52	1396.9	527.8	79.7	1.015	0.990	1.001	0.022	0.990	0.005	0.006	0.37	0.29
23	16.333	1.026	1061.91	1396.9	527.4	79.9	1.024	0.998	1.001	0.006	0.998	0.007	0.011	0.62	0.41
24	16.666	1.028	1063.26	1399.3	529.0	79.9	1.039	1.009	1.001	-0.017	1.009	0.009	0.015	0.85	0.53
25	17.000	1.028	1063.28	1400.7	529.5	79.9	1.054	1.021	1.001	-0.042	1.021	0.011	0.021	1.15	0.62
26	17.333	1.027	1062.51	1399.2	528.6	79.9	1.072	1.036	1.001	-0.071	1.035	0.013	0.027	1.49	0.73
27	17.666	1.028	1063.64	1398.3	528.8	79.9	1.089	1.048	1.000	-0.096	1.048	0.015	0.032	1.74	0.82
28	18.000	1.027	1062.58	1397.6	528.0	80.0	1.042	1.052	1.000	-0.103	1.051	0.018	0.034	1.85	1.00
29	18.333	1.027	1062.81	1399.2	528.8	79.7	1.053	1.021	0.999	-0.042	1.020	0.018	0.025	1.40	1.03
30	18.666	1.028	1062.95	1398.5	528.6	79.7	1.009	0.985	0.999	0.028	0.985	0.014	0.016	0.96	0.79
31	19.000	1.028	1063.49	1398.0	528.6	79.8	1.002	0.979	1.000	0.043	0.979	0.011	0.011	0.66	0.63

TEST PART REX10-6 ALFA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 366 2.908 0.01 43 1.50 -1.50 4-233 2-3-77 TRANSONIC 42

POINT	X	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	YL/VM	VL/VM	UL/VM	AAL	SHL
2	9.000	1.027	1058.05	1399.3	526.5	79.9	1.093	1.057	1.000	-0.113	1.057	-0.003	0.005	0.005	0.27	-0.17
3	9.333	1.023	1059.21	1397.3	526.3	79.9	1.074	1.041	1.000	-0.082	1.041	0.010	0.001	0.001	0.06	0.56
4	9.666	1.024	1059.95	1399.1	527.4	79.8	1.066	1.034	1.000	-0.067	1.034	0.010	0.000	0.000	0.02	0.53
5	10.000	1.024	1060.44	1398.7	527.4	79.9	1.056	1.025	1.000	-0.050	1.025	0.010	0.000	0.000	0.02	0.56
6	10.333	1.026	1061.77	1397.6	527.6	80.0	1.046	1.016	1.001	-0.032	1.016	0.009	-0.002	-0.002	0.09	0.53
7	10.666	1.025	1060.73	1397.7	527.3	79.7	1.027	1.001	1.001	-0.001	1.001	0.000	-0.007	-0.007	-0.41	0.44
8	11.000	1.025	1060.87	1397.6	527.3	79.8	1.008	0.986	1.002	0.031	0.986	0.006	-0.012	-0.012	-0.73	0.35
9	11.333	1.025	1060.84	1399.3	527.9	79.9	0.997	0.977	1.001	0.046	0.977	0.004	-0.017	-0.017	-1.02	0.22
10	11.666	1.025	1060.87	1400.1	528.2	79.8	0.994	0.975	1.001	0.052	0.974	0.002	-0.020	-0.020	-1.16	0.12
11	12.000	1.024	1060.01	1397.1	526.7	79.7	0.992	0.973	1.002	0.055	0.973	-0.000	-0.021	-0.021	-1.22	-0.01
12	12.333	1.025	1060.37	1397.4	527.0	79.7	0.992	0.973	1.001	0.055	0.973	-0.001	-0.021	-0.021	-1.22	-0.08
13	12.666	1.025	1060.57	1397.2	527.0	79.7	0.992	0.974	1.001	0.055	0.973	-0.002	-0.020	-0.020	-1.16	-0.14
14	13.000	1.027	1062.35	1398.7	528.4	79.7	0.998	0.977	1.001	0.048	0.977	-0.003	-0.018	-0.018	-1.06	-0.17
15	13.333	1.026	1061.38	1397.8	527.6	79.8	0.998	0.977	1.002	0.047	0.977	-0.003	-0.017	-0.017	-0.97	-0.16
16	13.666	1.026	1062.05	1398.7	528.2	79.8	1.000	0.979	1.001	0.044	0.979	-0.003	-0.015	-0.015	-0.85	-0.15
17	14.000	1.025	1061.20	1399.0	527.9	79.9	1.001	0.980	1.002	0.042	0.980	-0.002	-0.012	-0.012	-0.71	-0.14
18	14.333	1.026	1061.82	1399.8	528.5	79.9	1.004	0.982	1.001	0.038	0.982	-0.002	-0.010	-0.010	-0.57	-0.11
19	14.666	1.026	1061.99	1398.4	528.0	80.0	1.007	0.985	1.002	0.033	0.985	-0.001	-0.007	-0.007	-0.43	-0.08
20	15.000	1.027	1062.04	1398.1	526.1	79.6	1.010	0.986	1.001	0.029	0.986	-0.000	-0.004	-0.004	-0.21	-0.01
21	15.333	1.027	1062.32	1397.3	527.9	79.7	1.015	0.991	1.002	0.021	0.991	0.001	-0.001	-0.001	-0.04	0.04
22	15.666	1.028	1063.65	1398.7	529.0	79.8	1.021	0.994	1.001	0.012	0.994	0.003	0.003	0.003	0.19	0.16
23	16.000	1.028	1063.22	1400.0	529.2	79.9	1.029	1.001	1.001	-0.001	1.001	0.005	0.008	0.008	0.44	0.28
24	16.333	1.027	1062.93	1400.6	529.3	80.0	1.039	1.009	1.001	-0.017	1.009	0.008	0.012	0.012	0.68	0.33
25	16.666	1.026	1061.90	1398.0	528.3	79.8	1.050	1.019	1.001	-0.037	1.019	0.010	0.017	0.017	0.97	0.58
26	17.000	1.026	1067.05	1398.7	528.2	79.8	1.065	1.031	1.001	-0.060	1.030	0.014	0.024	0.024	1.36	0.88
27	17.333	1.026	1061.52	1397.5	527.5	79.9	1.079	1.043	1.001	-0.084	1.042	0.019	0.031	0.031	1.68	1.04
28	17.666	1.027	1062.84	1398.5	528.5	79.9	1.087	1.048	1.000	-0.095	1.047	0.024	0.035	0.035	1.92	1.20
29	18.000	1.027	1062.86	1399.5	528.9	79.9	1.077	1.039	1.000	-0.079	1.039	0.026	0.033	0.033	1.81	1.44
30	18.333	1.026	1061.91	1399.6	528.5	79.8	1.041	1.011	1.000	-0.023	1.011	0.021	0.025	0.025	1.41	1.21
31	18.666	1.025	1061.17	1397.2	527.3	79.7	1.025	0.999	1.001	0.002	0.999	0.015	0.017	0.017	1.00	0.88
32	19.000	1.026	1061.77	1397.2	527.7	79.5	1.016	0.992	1.001	0.018	0.991	0.010	0.013	0.013	0.73	0.68

TEST PART REX10-6 ALPHA WING Y 2 PUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 IC-484 317 3.001 0.01 48 2.00 -5.00 4-204 2-3-77 TRANSONIC 6T

POINT	X	M	V _M	PT	Q	IT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SML
2	10.333	1.023	1059.52	1400.2	527.6	79.9	1.100	1.061	0.999	-0.123	1.061	0.001	0.009	0.47	0.07
3	11.000	1.023	1059.30	1399.0	527.1	79.7	1.074	1.040	1.000	-0.090	1.040	-0.001	0.004	0.24	-0.07
4	11.666	1.023	1059.46	1397.0	526.4	79.7	1.000	0.981	1.000	0.039	0.981	0.001	-0.006	-0.34	0.03
5	12.333	1.024	1060.03	1398.1	527.1	79.8	0.980	0.964	1.001	0.073	0.964	0.001	-0.011	-0.64	0.08
6	13.000	1.027	1062.08	1400.1	528.8	79.7	0.978	0.960	1.001	0.081	0.960	0.002	-0.012	-0.70	0.11
7	13.666	1.025	1061.17	1397.4	527.4	79.7	0.976	0.960	1.002	0.083	0.960	0.001	-0.011	-0.68	0.06
8	14.333	1.025	1060.88	1398.0	527.4	79.9	0.977	0.961	1.000	0.079	0.961	0.001	-0.010	-0.57	0.05
9	15.000	1.026	1062.10	1396.6	528.2	79.8	0.984	0.965	1.001	0.071	0.965	0.000	-0.007	-0.44	0.01
10	15.666	1.027	1062.77	1400.1	529.0	80.0	0.992	0.971	1.001	0.059	0.971	-0.000	-0.004	-0.22	-0.01
11	16.333	1.028	1063.35	1398.7	528.8	79.9	0.999	0.977	1.002	0.049	0.977	-0.000	0.001	0.05	-0.02
12	17.000	1.027	1062.75	1398.7	528.5	79.9	1.013	0.988	1.001	0.025	0.988	-0.001	0.006	0.34	-0.04
13	17.666	1.028	1063.21	1399.0	528.9	79.8	1.031	1.002	1.001	-0.004	1.002	-0.001	0.011	0.62	-0.07
14	18.333	1.028	1063.57	1399.5	529.3	79.8	1.059	1.024	1.001	-0.048	1.024	-0.001	0.017	0.98	-0.07
15	19.000	1.027	1062.80	1398.8	528.6	79.8	1.085	1.053	1.000	-0.106	1.053	-0.000	0.026	1.43	-0.02

TEST PART PEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-464 331 3.001 0.01 48 2.00 -4.00 4-218 2-3-77

POINT	X	Y	Z	PT	Q	TT	PL	VNL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SML
2	10.000	1.023	1059.40	1399.2	527.2	79.7	1.122	1.078	0.999	-0.156	1.077	0.003	0.013	0.67	0.16
3	10.333	1.023	1059.35	1399.1	527.1	79.8	1.090	1.053	1.000	-0.106	1.053	-0.001	0.007	0.40	-0.07
4	10.666	1.023	1059.12	1397.5	526.5	79.6	1.075	1.041	1.000	-0.083	1.041	-0.000	0.005	0.29	-0.01
5	11.000	1.023	1059.51	1396.9	526.4	79.8	1.046	1.018	1.000	-0.036	1.018	0.001	0.000	0.03	0.07
6	11.333	1.025	1060.60	1399.0	527.6	79.9	1.008	0.987	1.000	0.027	0.987	0.002	-0.006	-0.33	0.14
7	11.666	1.025	1060.58	1400.7	528.3	79.8	0.987	0.969	1.000	0.063	0.969	0.003	-0.009	-0.55	0.20
8	12.000	1.024	1060.29	1398.8	527.4	79.9	0.978	0.962	1.001	0.077	0.962	0.003	-0.012	-0.69	0.20
9	12.333	1.025	1060.89	1398.4	527.5	80.0	0.979	0.963	1.001	0.077	0.962	0.003	-0.013	-0.75	0.19
10	12.666	1.025	1061.20	1399.0	527.9	80.0	0.980	0.963	1.001	0.076	0.963	0.003	-0.013	-0.76	0.18
11	13.000	1.025	1060.66	1399.5	527.8	80.0	0.978	0.962	1.001	0.078	0.962	0.003	-0.012	-0.74	0.17
12	13.333	1.025	1060.71	1399.6	527.9	80.0	0.978	0.962	1.002	0.078	0.962	0.003	-0.012	-0.73	0.16
13	13.666	1.026	1061.57	1399.7	528.4	79.8	0.976	0.960	1.001	0.082	0.959	0.002	-0.012	-0.69	0.12
14	14.000	1.026	1062.00	1399.6	528.2	79.7	0.979	0.961	1.001	0.079	0.961	0.002	-0.011	-0.63	0.11
15	14.333	1.025	1061.11	1397.1	527.1	79.9	0.979	0.963	1.001	0.077	0.963	0.002	-0.009	-0.56	0.10
16	14.666	1.027	1062.24	1398.3	528.2	79.7	0.984	0.965	1.000	0.070	0.965	0.001	-0.008	-0.49	0.07
17	15.000	1.026	1061.87	1399.9	528.6	79.9	0.986	0.968	1.001	0.066	0.968	0.001	-0.007	-0.39	0.05
18	15.333	1.027	1062.76	1400.3	529.2	79.7	0.990	0.970	1.001	0.062	0.970	0.001	-0.005	-0.27	0.04
19	15.666	1.024	1060.43	1398.1	527.2	79.9	0.992	0.974	1.001	0.054	0.974	0.001	-0.002	-0.11	0.04
20	16.000	1.026	1062.09	1398.0	528.0	79.8	0.999	0.977	1.001	0.046	0.977	0.001	0.001	0.05	0.04
21	16.333	1.027	1062.75	1398.9	528.5	80.0	1.006	0.983	1.001	0.035	0.983	0.001	0.004	0.23	0.03
22	16.666	1.028	1063.94	1401.2	530.0	79.9	1.016	0.990	1.001	0.021	0.990	0.001	0.008	0.44	0.03
23	17.000	1.026	1061.99	1398.6	528.0	80.1	1.024	0.999	1.002	0.005	0.999	-0.000	0.010	0.57	-0.09
24	17.333	1.027	1062.65	1398.7	528.6	79.7	1.036	1.007	1.001	-0.013	1.007	0.000	0.013	0.75	0.00
25	17.666	1.027	1062.45	1398.9	528.4	80.1	1.053	1.021	1.001	-0.042	1.021	0.000	0.018	0.99	0.01
26	18.000	1.027	1063.00	1399.0	528.8	79.9	1.068	1.032	1.001	-0.063	1.032	0.000	0.022	1.20	0.01
27	18.333	1.026	1062.30	1398.0	528.4	80.0	1.087	1.048	1.001	-0.095	1.047	0.000	0.026	1.45	0.02
28	18.666	1.026	1061.95	1398.7	528.2	79.8	1.105	1.062	1.001	-0.123	1.062	0.001	0.031	1.66	0.08
29	19.000	1.027	1062.35	1398.7	528.3	80.0	1.085	1.046	1.000	-0.093	1.046	0.002	0.026	1.42	0.13

SEE OBSERVATION AND LOGS

TEST	PART	RF10-6	ALFA	WING	Y	Z	RUN SURVEY	DATE	JEDC PROPLUSTION WIND TUNNEL						
TC-484	332	2.997	0.01	48	2.00	-3.00	4-219	2-3-77	TRANSONIC 45						
POINT	X	M	Vu	PT	O	TT	ML	YML/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SML
1	10.000	1.022	1059.0P	1398.6	526.3	79.9	1.051	1.055	1.000	-0.110	1.055	0.001	0.007	0.36	0.03
2	10.333	1.024	1059.84	1398.7	527.1	79.9	1.080	1.044	1.000	-0.089	1.044	0.002	0.005	0.30	0.09
3	10.666	1.024	1059.81	1398.8	527.5	79.9	1.050	1.021	1.000	-0.042	1.021	0.004	0.001	0.07	0.26
4	11.000	1.024	1060.08	1398.2	527.1	79.9	1.000	0.989	1.001	0.024	0.989	0.005	-0.005	-0.26	0.20
5	11.333	1.025	1061.00	1398.8	527.8	79.8	0.910	0.971	1.001	0.058	0.971	0.006	-0.009	-0.54	0.20
6	11.666	1.025	1060.81	1399.4	527.9	79.9	0.986	0.968	1.001	0.045	0.968	0.004	-0.012	-0.76	0.34
7	12.000	1.025	1060.64	1398.7	527.6	79.8	0.983	0.966	1.001	0.069	0.966	0.006	-0.014	-0.80	0.34
8	12.333	1.025	1061.28	1398.6	527.6	79.9	0.980	0.963	1.001	0.075	0.963	0.006	-0.014	-0.80	0.34
9	12.666	1.026	1061.40	1398.6	527.9	79.7	0.980	0.963	1.001	0.076	0.963	0.005	-0.015	-0.87	0.28
10	13.000	1.026	1062.14	1398.5	528.2	79.9	0.981	0.963	1.001	0.076	0.963	0.004	-0.014	-0.86	0.26
11	13.333	1.026	1061.54	1398.1	527.8	79.8	0.980	0.963	1.002	0.076	0.963	0.003	-0.014	-0.82	0.21
12	13.666	1.026	1062.01	1399.0	528.4	79.7	0.982	0.964	1.001	0.074	0.964	0.003	-0.013	-0.75	0.15
13	14.000	1.027	1062.26	1398.5	528.6	79.9	0.983	0.965	1.001	0.071	0.965	0.003	-0.011	-0.68	0.13
14	14.333	1.025	1061.44	1398.3	527.7	80.0	0.986	0.968	1.002	0.067	0.968	0.002	-0.010	-0.58	0.14
15	14.666	1.027	1063.06	1399.5	528.9	80.0	0.989	0.968	1.001	0.065	0.968	0.002	-0.008	-0.50	0.12
16	15.000	1.026	1061.32	1399.8	528.3	79.8	0.990	0.971	1.001	0.059	0.971	0.002	-0.006	-0.37	0.12
17	15.333	1.026	1061.89	1398.4	528.0	80.0	0.994	0.974	1.001	0.055	0.974	0.002	-0.003	-0.21	0.12
18	15.666	1.026	1061.71	1399.2	528.3	79.7	0.998	0.977	1.001	0.048	0.977	0.002	-0.001	-0.05	0.12
19	16.000	1.026	1062.09	1398.4	528.1	79.8	1.003	0.981	1.002	0.041	0.981	0.002	0.003	0.16	0.13
20	16.333	1.026	1061.21	1398.9	527.2	79.7	1.013	0.990	1.002	0.023	0.990	0.002	0.008	0.44	0.17
21	16.666	1.026	1061.93	1397.9	527.8	80.0	1.029	1.003	1.001	-0.004	1.003	0.003	0.011	0.64	0.18
22	17.000	1.027	1063.02	1400.0	529.1	79.9	1.043	1.013	1.001	-0.024	1.013	0.002	0.015	0.85	0.13
23	17.333	1.027	1061.06	1399.1	528.4	79.6	1.060	1.027	1.001	-0.053	1.027	0.002	0.020	1.14	0.11
24	17.666	1.026	1061.92	1397.3	527.6	79.8	1.079	1.042	1.001	-0.082	1.042	0.002	0.025	1.38	0.16
25	18.000	1.027	1062.84	1398.1	528.4	79.8	1.100	1.057	1.000	-0.114	1.057	0.002	0.031	1.68	0.20
26	18.333	1.026	1061.39	1398.4	527.9	79.7	1.115	1.070	1.000	-0.139	1.069	0.005	0.036	1.92	0.28
27	18.666	1.026	1061.55	1399.1	528.1	80.0	1.079	1.043	0.999	-0.086	1.042	0.008	0.027	1.47	0.32
28	19.000	1.026	1062.16	1399.5	528.5	79.9	0.999	0.977	0.999	-0.044	0.977	0.007	0.007	0.93	0.30

TEST PART RFX10-6 ALPHA NING Y. 2.00 -2.00 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 43

POINT	X	M	Y	PT	Q	TT	ML	VHL/VH	PTL/PT	CPL	UL/VH	YL/VH	VL/VH	ML/VH	AAL	SWL
1	10.000	1.021	1057.17	1398.0	525.7	79.8	1.070	1.040	1.000	-0.079	1.040	0.005	0.005	0.003	0.16	0.25
2	10.333	1.024	1060.35	1399.3	527.6	79.9	1.053	1.023	1.000	-0.047	1.023	0.006	0.006	0.001	0.07	0.35
3	10.666	1.025	1061.09	1398.4	527.7	79.8	1.024	0.999	1.000	0.002	0.999	0.008	0.008	-0.003	-0.18	0.44
4	11.000	1.024	1060.14	1398.3	527.2	79.8	0.998	0.979	1.001	0.044	0.978	0.008	0.008	-0.009	-0.53	0.49
5	11.333	1.025	1060.95	1398.9	527.8	79.7	0.987	0.969	1.001	0.062	0.969	0.009	0.009	-0.013	-0.79	0.53
6	11.666	1.024	1061.98	1397.8	527.9	79.7	0.985	0.966	1.001	0.070	0.966	0.008	0.008	-0.017	-0.99	0.47
7	12.000	1.024	1060.08	1398.4	527.1	80.0	0.983	0.967	1.002	0.068	0.967	0.007	0.007	-0.019	-1.13	0.40
8	12.333	1.025	1060.51	1399.4	527.9	80.0	0.982	0.965	1.001	0.072	0.965	0.006	0.006	-0.019	-1.16	0.35
9	12.666	1.026	1061.92	1400.0	528.7	79.8	0.982	0.964	1.001	0.073	0.964	0.005	0.005	-0.019	-1.15	0.27
10	13.000	1.025	1061.25	1399.1	528.0	79.8	0.982	0.964	1.001	0.073	0.964	0.004	0.004	-0.019	-1.10	0.22
11	13.333	1.025	1060.93	1397.7	527.4	79.7	0.982	0.965	1.001	0.072	0.965	0.003	0.003	-0.017	-1.01	0.16
12	13.666	1.027	1062.49	1398.2	528.3	79.8	0.987	0.967	1.001	0.067	0.967	0.002	0.002	-0.016	-0.92	0.11
13	14.000	1.027	1062.76	1399.3	528.7	80.0	0.988	0.969	1.001	0.064	0.969	0.002	0.002	-0.014	-0.80	0.09
14	14.333	1.026	1062.13	1400.4	528.6	80.0	0.991	0.972	1.001	0.058	0.972	0.001	0.001	-0.011	-0.67	0.09
15	14.666	1.026	1062.12	1400.0	528.7	79.9	0.994	0.974	1.001	0.054	0.974	0.001	0.001	-0.009	-0.54	0.07
16	15.000	1.026	1062.25	1399.1	528.4	80.0	0.997	0.976	1.001	0.049	0.976	0.002	0.002	-0.006	-0.34	0.10
17	15.333	1.027	1062.54	1398.3	528.2	80.1	1.000	0.979	1.002	0.045	0.979	0.002	0.002	-0.003	-0.16	0.13
18	15.666	1.026	1062.11	1399.4	528.5	79.8	1.004	0.982	1.001	0.038	0.982	0.003	0.003	0.001	0.04	0.16
19	16.000	1.028	1063.57	1400.1	529.4	79.9	1.011	0.986	1.001	0.029	0.986	0.004	0.004	0.005	0.28	0.24
20	16.333	1.027	1062.90	1399.0	528.7	80.0	1.021	0.995	1.001	0.012	0.995	0.006	0.006	0.010	0.56	0.33
21	16.666	1.027	1062.64	1398.3	528.4	79.8	1.038	1.009	1.002	-0.016	1.009	0.006	0.006	0.016	0.91	0.38
22	17.000	1.029	1063.69	1398.2	528.8	79.8	1.064	1.029	1.001	-0.056	1.028	0.007	0.007	0.023	1.30	0.38
23	17.333	1.029	1064.26	1399.3	529.4	80.0	1.094	1.051	1.000	-0.102	1.051	0.007	0.007	0.032	1.73	0.39
24	17.666	1.028	1063.57	1399.9	529.3	80.0	1.114	1.068	1.000	-0.135	1.067	0.008	0.008	0.039	2.07	0.45
25	18.000	1.028	1063.82	1400.0	529.5	79.9	1.117	1.070	0.999	-0.140	1.069	0.013	0.013	0.041	2.20	0.48
26	18.333	1.029	1064.11	1399.4	529.4	79.9	1.059	1.024	0.999	-0.050	1.024	0.016	0.016	0.028	1.58	0.50
27	18.666	1.027	1062.71	1399.6	528.8	79.9	0.996	0.975	0.999	0.048	0.975	0.013	0.013	0.016	0.96	0.76
28	19.000	1.028	1063.20	1398.8	528.7	80.0	0.987	0.967	1.000	0.067	0.967	0.009	0.009	0.011	0.63	0.58

TEST PART REX10-6 ALFA WING Y 2 RUN SUPVEY
IC-484 347 2.996 0.01 48 2.00 -1.50 4-236

DATE
2-3-77

AEDC PROPULSION WIND TUNNEL
TRANSONIC 41

POINT	X	M	VM	PT	Q	IT	ML	YML/VN	PTL/PI	CPL	UL/VN	VL/VP	WL/VN	AAL	SVL
2	10.000	1.022	1059.22	1398.1	526.2	79.9	1.082	1.048	1.000	-0.096	1.048	0.011	0.001	0.05	0.58
3	10.333	1.023	1059.66	1399.5	527.4	79.9	1.042	1.015	1.000	-0.031	1.015	0.009	-0.000	-0.02	0.51
4	10.666	1.025	1060.57	1400.1	528.0	79.9	1.018	0.995	1.000	0.011	0.994	0.010	-0.005	-0.29	0.58
5	11.000	1.024	1059.98	1398.2	527.1	79.8	0.996	0.977	1.002	0.048	0.977	0.011	-0.012	-0.69	0.64
6	11.333	1.024	1060.28	1398.2	527.2	79.8	0.987	0.970	1.001	0.062	0.970	0.010	-0.017	-1.02	0.62
7	11.666	1.025	1060.89	1397.8	527.3	79.8	0.983	0.966	1.001	0.070	0.965	0.009	-0.022	-1.29	0.52
8	12.000	1.023	1059.53	1398.3	526.8	79.8	0.982	0.966	1.002	0.070	0.966	0.007	-0.024	-1.43	0.40
9	12.333	1.025	1060.86	1399.5	528.0	79.7	0.982	0.965	1.001	0.073	0.964	0.005	-0.029	-1.48	0.30
10	12.666	1.024	1059.74	1398.9	527.2	79.9	0.981	0.965	1.002	0.072	0.965	0.003	-0.034	-1.41	0.19
11	13.000	1.025	1060.75	1398.9	527.7	79.9	0.984	0.967	1.001	0.067	0.967	0.002	-0.023	-1.34	0.18
12	13.333	1.026	1061.55	1398.7	528.0	79.9	0.977	0.968	1.001	0.065	0.968	0.000	-0.020	-1.21	0.02
13	13.666	1.025	1060.82	1399.6	528.2	79.4	0.982	0.970	1.001	0.061	0.970	0.000	-0.018	-1.08	0.02
14	14.000	1.026	1061.58	1397.8	527.8	79.6	0.989	0.970	1.002	0.063	0.970	-0.000	-0.016	-0.93	-0.01
15	14.333	1.025	1060.69	1398.1	526.6	79.9	0.991	0.973	1.001	0.056	0.973	-0.000	-0.013	-0.78	-0.02
16	14.666	1.026	1061.28	1397.8	527.6	79.7	0.999	0.978	1.001	0.045	0.978	-0.000	-0.010	-0.60	-0.00
17	15.000	1.027	1062.10	1398.8	528.3	79.7	1.003	0.981	1.001	0.040	0.981	0.001	-0.007	-0.39	0.01
18	15.333	1.028	1062.94	1398.3	528.6	79.7	1.007	0.983	1.001	0.035	0.983	0.001	-0.003	-0.18	0.08
19	15.666	1.027	1062.39	1398.2	528.3	79.7	1.010	0.986	1.001	0.029	0.986	0.002	-0.001	-0.06	0.13
20	16.000	1.026	1061.58	1397.4	527.7	79.5	1.016	0.992	1.001	0.018	0.992	0.004	0.006	0.34	0.23
21	16.333	1.026	1061.23	1397.5	527.4	79.7	1.027	1.001	1.001	-0.000	1.001	0.006	0.011	0.66	0.35
22	16.666	1.027	1062.76	1398.3	528.9	79.6	1.044	1.013	1.001	-0.024	1.013	0.008	0.018	1.03	0.47
23	17.000	1.026	1061.77	1397.2	527.5	79.9	1.066	1.032	1.001	-0.063	1.031	0.011	0.027	1.51	0.60
24	17.333	1.027	1062.86	1399.1	528.6	79.8	1.057	1.055	1.000	-0.110	1.054	0.013	0.037	2.01	0.72
25	17.666	1.027	1062.51	1399.4	528.8	79.7	1.108	1.064	1.000	-0.129	1.063	0.017	0.043	2.29	0.83
26	18.000	1.027	1062.18	1397.4	527.9	79.7	1.085	1.046	0.999	-0.093	1.045	0.021	0.037	2.05	1.17
27	18.333	1.027	1062.63	1397.3	528.1	79.6	1.020	0.994	0.999	0.010	0.994	0.020	0.025	1.43	1.13
28	18.666	1.026	1062.13	1397.5	527.8	79.8	0.997	0.976	1.000	0.048	0.976	0.015	0.016	0.96	0.86
29	19.000	1.028	1062.84	1398.1	528.5	79.6	0.998	0.976	1.001	0.050	0.976	0.011	0.012	0.79	0.64

TEST PART REX10-6 ALPHA 0.01 WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 43

POINT	X	M	VM	PT	O	FT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	10.000	1.022	1058.58	1398.2	526.5	79.7	1.051	1.023	1.000	-0.046	1.023	0.010	0.002	0.09	0.37
2	10.333	1.023	1059.13	1398.1	526.6	79.8	1.039	1.013	1.000	-0.026	1.013	0.011	0.000	0.02	0.64
3	10.666	1.023	1059.25	1399.1	527.1	79.8	1.016	0.994	1.001	0.013	0.994	0.014	0.007	-0.38	0.91
4	11.000	1.024	1059.61	1399.6	527.5	79.7	0.987	0.970	1.001	0.061	0.970	0.016	-0.017	-1.01	0.93
5	11.333	1.023	1059.28	1398.2	526.7	79.8	0.971	0.958	1.001	0.086	0.970	0.014	-0.026	-1.58	0.96
6	11.666	1.023	1059.38	1398.0	526.8	79.7	0.969	0.956	1.001	0.090	0.955	0.011	-0.032	-1.92	0.94
7	12.000	1.024	1059.54	1398.3	526.9	79.7	0.973	0.959	1.001	0.085	0.958	0.006	-0.034	-2.03	0.99
8	12.333	1.023	1059.07	1397.8	526.5	79.7	0.974	0.959	1.001	0.083	0.959	0.004	-0.034	-2.04	0.92
9	12.666	1.023	1059.55	1398.8	526.3	79.9	0.977	0.962	1.002	0.078	0.962	0.001	-0.032	-1.92	0.95
10	13.000	1.027	1062.65	1398.9	528.5	79.9	0.984	0.969	1.001	0.072	0.964	-0.001	-0.029	-1.75	-0.07
11	13.333	1.022	1058.67	1399.9	527.1	79.8	0.985	0.969	1.002	0.064	0.969	-0.002	-0.026	-1.51	-0.14
12	13.666	1.024	1059.94	1398.5	527.1	80.0	0.985	0.968	1.002	0.066	0.968	-0.003	-0.023	-1.37	-0.15
13	14.000	1.024	1059.73	1398.1	526.9	79.8	0.991	0.973	1.001	0.055	0.973	-0.002	-0.017	-1.17	-0.14
14	14.333	1.025	1060.48	1398.0	527.3	79.6	0.995	0.976	1.002	0.050	0.976	-0.002	-0.017	-0.97	-0.11
15	14.666	1.024	1060.06	1397.0	526.8	79.6	1.000	0.981	1.002	0.042	0.981	-0.001	-0.013	-0.76	-0.09
16	15.000	1.025	1060.46	1397.0	526.9	79.7	1.006	0.985	1.001	0.033	0.985	-0.001	-0.008	-0.49	-0.04
17	15.333	1.026	1061.17	1397.2	527.4	79.5	1.010	0.988	1.001	0.027	0.988	0.000	-0.004	-0.25	-0.03
18	15.666	1.026	1061.47	1397.2	527.4	79.7	1.016	0.992	1.002	0.018	0.992	0.002	0.001	0.07	0.11
19	16.000	1.026	1061.29	1398.0	527.7	79.6	1.025	1.000	1.001	0.002	1.000	0.003	0.006	0.37	0.20
20	16.333	1.027	1062.80	1398.6	528.0	79.8	1.040	1.010	1.001	-0.018	1.010	0.006	0.013	0.76	0.36
21	16.666	1.027	1062.50	1399.8	528.4	79.9	1.051	1.020	1.001	-0.038	1.019	0.009	0.021	1.16	0.52
22	17.000	1.026	1061.76	1399.5	528.3	80.0	1.053	1.031	1.001	-0.051	1.031	0.013	0.029	1.60	0.73
23	17.333	1.024	1063.32	1399.6	529.2	79.8	1.075	1.037	0.999	-0.075	1.037	0.019	0.036	2.00	1.04
24	17.666	1.027	1062.85	1399.9	528.6	79.9	1.076	1.039	0.999	-0.079	1.038	0.024	0.040	2.19	1.31
25	18.000	1.026	1061.94	1398.3	528.0	79.8	1.053	1.023	0.999	-0.043	1.020	0.025	0.037	2.06	1.43
26	18.333	1.028	1063.59	1398.2	528.8	79.8	1.014	0.988	0.999	0.021	0.988	0.020	0.026	1.51	1.17
27	18.666	1.028	1063.26	1399.3	529.0	79.8	1.010	0.986	1.000	0.029	0.995	0.015	0.019	1.09	0.87
28	19.000	1.029	1063.93	1400.4	529.8	79.7	1.006	0.981	1.000	0.036	0.981	0.010	0.014	0.82	0.69

TEST PART NEX10-6 ALPHA 0.01 46 3.00 -5.00 2 RUN SURVEY DATE 2-9-77 AEDC PROPULSION WIND TUNNEL
 XC-484 318 3.001

POINT	X	Y	Z	VT	ML	VHL/VH	PTL/PZ	CPL	UL/VH	YL/VH	VL/VH	AAL	SUL
1	10.333	1.022	1036.27	1400.3	527.0	1.053	0.999	-0.108	1.053	-0.004	0.006	0.33	-0.20
2	11.000	1.022	1036.47	1400.1	527.2	1.052	1.000	-0.094	1.057	-0.003	0.006	0.34	-0.16
3	11.666	1.023	1036.65	1399.5	527.3	0.998	1.000	0.025	0.988	0.001	-0.004	-0.21	0.08
4	12.333	1.023	1036.86	1399.7	528.1	0.976	1.000	0.076	0.982	0.002	-0.009	-0.56	0.14
5	13.000	1.024	1036.24	1399.5	527.3	0.975	1.001	0.083	0.959	0.002	-0.011	-0.67	0.13
6	13.666	1.024	1036.37	1397.4	527.0	0.973	1.001	0.086	0.958	0.002	-0.011	-0.65	0.11
7	14.333	1.025	1036.03	1398.3	527.5	0.976	1.001	0.078	0.962	0.001	-0.010	-0.57	0.08
8	15.000	1.027	1032.52	1399.8	528.8	0.982	1.001	0.075	0.963	0.000	-0.008	-0.45	0.01
9	15.666	1.026	1031.86	1399.5	528.4	0.989	1.002	0.063	0.970	-0.001	-0.004	-0.22	-0.03
10	16.333	1.027	1032.26	1399.3	528.5	0.999	1.001	0.047	0.977	-0.002	0.001	0.04	-0.10
11	17.000	1.027	1032.46	1399.1	528.6	1.011	1.001	0.027	0.987	-0.002	0.006	0.33	-0.11
12	17.666	1.028	1033.79	1398.2	528.8	1.031	1.002	-0.003	1.002	-0.002	0.012	0.67	-0.14
13	18.333	1.028	1034.41	1399.2	529.4	1.060	1.001	-0.049	1.025	-0.003	0.018	1.03	-0.16
14	19.000	1.029	1033.89	1401.1	530.0	1.097	1.000	-0.108	1.059	-0.003	0.028	1.53	-0.18

TEST PART RFX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC POPULSION WIND TUNNEL
 TC-484 334 2.997 0.01 48 3.00 -4.00 4-221 2-3-77 TRANSOMIC 47

POINT	X	M	VM	PT	Q	TY	PL	VHL/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	EWL
1	10.000	1.022	1058.09	1398.8	526.4	79.9	1.088	1.053	0.999	-0.106	1.053	-0.002	0.005	0.26	-0.13
2	10.333	1.023	1059.37	1397.6	526.6	79.8	1.093	1.056	1.001	-0.110	1.056	-0.003	0.006	0.34	-0.15
3	10.666	1.024	1059.68	1398.4	527.0	79.9	1.084	1.048	1.000	-0.096	1.048	-0.002	0.005	0.29	-0.11
4	11.000	1.022	1058.63	1398.1	526.4	79.8	1.059	1.029	1.001	-0.058	1.029	-0.000	0.002	0.09	-0.00
5	11.333	1.024	1060.24	1398.9	527.4	80.0	1.019	0.996	1.001	0.009	0.996	0.002	-0.005	-0.27	0.12
6	11.666	1.025	1060.57	1400.3	528.1	79.9	0.989	0.971	1.001	0.059	0.971	0.004	-0.009	-0.54	0.24
7	12.000	1.025	1060.37	1400.1	528.0	79.7	0.979	0.963	1.001	0.075	0.963	0.004	-0.011	-0.66	0.27
8	12.333	1.024	1059.92	1397.9	526.9	79.9	0.975	0.960	1.001	0.093	0.960	0.005	-0.013	-0.75	0.28
9	12.666	1.025	1060.88	1398.0	527.3	80.0	0.979	0.963	1.001	0.076	0.963	0.005	-0.013	-0.79	0.29
10	13.000	1.025	1060.87	1399.9	528.0	80.0	0.979	0.962	1.001	0.077	0.962	0.005	-0.013	-0.79	0.28
11	13.333	1.025	1061.37	1399.9	528.3	79.8	0.977	0.960	1.001	0.081	0.960	0.004	-0.013	-0.79	0.24
12	13.666	1.024	1060.33	1398.1	527.2	79.8	0.975	0.960	1.002	0.083	0.960	0.003	-0.013	-0.77	0.20
13	14.000	1.026	1061.33	1397.7	527.6	79.7	0.980	0.963	1.001	0.076	0.963	0.003	-0.012	-0.71	0.17
14	14.333	1.027	1062.58	1397.8	528.1	79.8	0.980	0.962	1.001	0.079	0.962	0.002	-0.011	-0.66	0.14
15	14.666	1.025	1060.72	1399.8	528.0	79.8	0.984	0.967	1.001	0.068	0.967	0.002	-0.009	-0.56	0.09
16	15.000	1.026	1061.60	1399.0	528.1	79.9	0.984	0.966	1.002	0.070	0.966	0.001	-0.006	-0.48	0.06
17	15.333	1.025	1061.01	1396.7	527.1	79.6	0.986	0.968	1.002	0.067	0.968	0.000	-0.007	-0.39	0.01
18	15.666	1.027	1062.24	1395.6	527.2	79.7	0.993	0.973	1.001	0.056	0.973	-0.000	-0.004	-0.21	-0.01
19	16.000	1.029	1064.00	1398.6	529.1	79.8	1.003	0.979	1.001	0.043	0.979	-0.000	-0.000	-0.01	-0.02
20	16.333	1.027	1062.47	1399.5	528.8	79.7	1.010	0.986	1.001	0.030	0.986	-0.001	0.003	0.15	-0.07
21	16.666	1.027	1062.89	1398.2	528.4	79.6	1.014	0.989	1.002	0.024	0.989	-0.001	0.005	0.32	-0.08
22	17.000	1.026	1061.84	1398.5	528.0	79.9	1.024	0.998	1.002	0.006	0.998	-0.002	0.008	0.49	-0.09
23	17.333	1.027	1062.72	1399.8	529.0	79.8	1.036	1.007	1.001	-0.013	1.007	-0.002	0.012	0.68	-0.12
24	17.666	1.027	1062.68	1397.6	528.2	79.7	1.051	1.019	1.002	-0.036	1.019	-0.002	0.016	0.89	-0.13
25	18.000	1.027	1062.26	1396.6	527.6	79.7	1.049	1.034	1.001	-0.066	1.034	-0.002	0.020	1.13	-0.12
26	18.333	1.027	1063.05	1398.5	528.6	79.9	1.092	1.051	1.001	-0.101	1.051	-0.002	0.026	1.44	-0.11
27	18.666	1.027	1062.96	1399.3	528.8	80.0	1.112	1.067	1.001	-0.132	1.066	-0.002	0.032	1.72	-0.08
28	19.000	1.027	1062.55	1398.9	528.5	79.8	1.089	1.049	1.000	-0.098	1.049	0.000	0.027	1.47	0.02

TEST PART DEXIO-4 ALPHA WING Y 2 RUN SUPVY DATE AEDC PROPUSSION WIND TUNNEL
JC-484 335 2.998 0.01 46 3.00 -3.00 4-222 2-3-77 TRANSONIC 47

POINT	X	H	VM	PT	Q	TY	ML	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SHL
1	10.000	1.021	1057.14	1398.7	526.0	79.7	1.066	1.060	1.000	-0.119	1.060	-0.001	0.005	0.28	-0.08
2	10.333	1.021	1057.16	1397.6	525.5	79.9	1.087	1.053	1.000	-0.105	1.053	-0.001	0.005	0.27	-0.05
3	10.666	1.022	1058.25	1397.0	525.8	79.6	1.070	1.039	1.000	-0.077	1.039	-0.001	0.003	0.16	0.05
4	11.000	1.024	1059.92	1399.8	527.6	79.8	1.029	1.004	1.000	-0.008	1.004	0.005	-0.003	-0.19	0.26
5	11.333	1.023	1059.28	1400.7	527.6	80.0	0.998	0.979	1.001	0.042	0.979	0.007	-0.008	-0.47	0.40
6	11.666	1.024	1059.80	1399.0	527.2	79.9	0.983	0.967	1.001	0.068	0.966	0.008	-0.012	-0.73	0.39
7	12.000	1.022	1059.64	1397.2	526.1	79.8	0.980	0.965	1.002	0.072	0.965	0.008	-0.014	-0.94	0.49
8	12.333	1.025	1061.30	1399.2	527.9	80.1	0.980	0.963	1.001	0.074	0.963	0.008	-0.015	-0.92	0.50
9	12.666	1.025	1061.38	1400.5	528.6	79.9	0.979	0.962	1.001	0.076	0.962	0.008	-0.016	-0.96	0.50
10	13.000	1.024	1060.43	1400.6	528.1	79.9	0.977	0.961	1.001	0.080	0.961	0.008	-0.016	-0.99	0.50
11	13.333	1.025	1060.62	1397.5	527.2	79.7	0.974	0.959	1.002	0.085	0.959	0.006	-0.016	-0.98	0.50
12	13.666	1.024	1059.79	1396.3	526.3	79.8	0.976	0.961	1.002	0.080	0.961	0.005	-0.016	-0.95	0.51
13	14.000	1.026	1061.79	1398.6	528.0	79.9	0.981	0.963	1.001	0.075	0.963	0.005	-0.015	-0.87	0.27
14	14.333	1.026	1061.56	1399.7	528.3	80.0	0.985	0.967	1.001	0.068	0.967	0.003	-0.013	-0.79	0.29
15	14.666	1.025	1061.32	1400.0	528.3	79.9	0.986	0.968	1.001	0.066	0.968	0.002	-0.011	-0.67	0.14
16	15.000	1.027	1062.66	1399.3	528.7	80.0	0.989	0.969	1.001	0.063	0.969	0.002	-0.009	-0.54	0.12
17	15.333	1.026	1061.65	1399.3	528.2	80.0	0.993	0.974	1.001	0.055	0.974	0.001	-0.007	-0.40	0.09
18	15.666	1.027	1062.45	1398.9	528.5	79.9	0.996	0.975	1.001	0.051	0.975	0.001	-0.004	-0.31	0.05
19	16.000	1.027	1062.25	1398.9	528.4	79.9	1.005	0.982	1.001	0.037	0.982	0.001	0.001	0.03	0.04
20	16.333	1.028	1063.26	1399.1	529.0	79.8	1.021	0.994	1.001	0.013	0.994	-0.000	0.006	0.33	-0.02
21	16.666	1.026	1061.46	1399.3	528.1	79.9	1.028	1.002	1.001	-0.003	1.002	-0.000	0.009	0.51	-0.01
22	17.000	1.027	1062.90	1399.0	528.7	79.9	1.043	1.012	1.001	-0.023	1.012	-0.001	0.013	0.76	-0.03
23	17.333	1.027	1062.63	1397.5	528.1	79.8	1.061	1.027	1.001	-0.032	1.027	-0.001	0.018	1.00	-0.06
24	17.666	1.027	1062.29	1398.2	528.1	79.9	1.082	1.044	1.001	-0.037	1.044	-0.001	0.024	1.30	-0.07
25	18.000	1.026	1062.12	1399.8	528.6	79.9	1.108	1.064	1.000	-0.128	1.064	-0.001	0.032	1.71	-0.04
26	18.333	1.028	1063.47	1399.7	529.2	80.0	1.128	1.079	1.000	-0.157	1.078	0.000	0.039	2.05	0.00
27	18.666	1.026	1061.79	1398.6	528.0	79.9	1.101	1.059	0.999	-0.119	1.059	0.005	0.031	1.68	0.26
28	19.000	1.027	1062.76	1399.1	528.7	79.8	0.993	0.972	0.998	0.054	0.972	0.005	0.014	0.80	0.32

TEST PART PEX10-6 ALPHA WING Y Z RUN SURVEY
 IC-484 336 3.002 0.01 48 3.00 -2.00 4-223

DATE 2-3-77
 AEDC PROPUSSION WIND TUNNEL
 TRANSONIC 4T

POINT	X	M	VM	PT	Q	TT	ML	VHL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	10.000	1.021	1057.69	1401.3	527.1	79.9	1.093	1.057	0.999	-0.115	1.057	-0.000	0.004	0.21	-0.00
4	10.333	1.022	1057.97	1400.1	526.8	79.8	1.079	1.046	1.000	-0.092	1.046	0.002	0.003	0.15	0.09
5	10.666	1.022	1058.00	1398.9	526.6	79.8	1.043	1.018	1.001	-0.035	1.018	0.006	-0.001	-0.07	0.32
6	11.000	1.024	1060.15	1399.1	527.4	79.9	1.003	0.983	1.000	0.034	0.983	0.010	-0.007	-0.38	0.57
7	11.333	1.024	1059.75	1399.3	527.3	79.9	0.987	0.970	1.001	0.060	0.970	0.013	-0.011	-0.66	0.74
8	11.666	1.024	1060.18	1400.3	528.0	79.8	0.983	0.966	1.001	0.060	0.966	0.014	-0.015	-0.91	0.82
9	12.000	1.024	1060.06	1399.7	527.6	79.9	0.978	0.962	1.001	0.077	0.962	0.014	-0.018	-1.09	0.85
10	12.333	1.024	1060.02	1397.7	526.9	79.9	0.972	0.957	1.002	0.087	0.957	0.013	-0.021	-1.23	0.78
11	12.666	1.025	1060.91	1399.2	527.9	79.8	0.974	0.958	1.001	0.085	0.958	0.012	-0.022	-1.30	0.71
12	13.000	1.025	1061.10	1399.0	527.8	80.1	0.976	0.960	1.001	0.081	0.960	0.010	-0.022	-1.32	0.58
13	13.333	1.025	1061.07	1400.3	528.2	80.1	0.977	0.961	1.001	0.079	0.961	0.008	-0.022	-1.31	0.47
14	13.666	1.025	1061.06	1399.5	528.1	80.1	0.980	0.963	1.002	0.075	0.963	0.006	-0.021	-1.23	0.38
15	14.000	1.026	1062.82	1400.2	528.6	80.1	0.982	0.964	1.001	0.073	0.964	0.005	-0.019	-1.13	0.28
16	14.333	1.026	1061.75	1398.7	528.0	79.9	0.985	0.967	1.001	0.068	0.966	0.003	-0.016	-0.96	0.20
17	14.666	1.026	1062.27	1400.1	528.8	80.0	0.991	0.971	1.001	0.060	0.971	0.002	-0.014	-0.83	0.16
18	15.000	1.026	1062.07	1399.9	528.6	80.0	0.983	0.973	1.001	0.056	0.973	0.002	-0.011	-0.63	0.10
19	15.333	1.025	1061.45	1399.3	528.1	80.0	0.998	0.978	1.001	0.047	0.977	0.001	-0.007	-0.42	0.06
20	15.666	1.026	1062.06	1399.3	528.4	80.0	1.001	0.979	1.001	0.043	0.979	0.001	-0.004	-0.23	0.04
21	16.000	1.027	1062.90	1398.8	528.5	80.1	1.004	0.982	1.001	0.038	0.982	0.001	-0.001	-0.09	0.06
22	16.333	1.027	1063.07	1399.9	529.1	80.0	1.002	0.999	1.001	0.030	0.999	0.001	0.009	0.49	0.06
23	16.666	1.026	1061.66	1399.3	528.3	79.8	1.056	1.024	1.001	-0.046	1.024	-0.001	0.015	0.86	-0.04
24	17.000	1.027	1062.75	1398.7	528.5	79.9	1.077	1.040	1.001	-0.079	1.040	-0.001	0.022	1.22	-0.05
25	17.333	1.027	1062.34	1398.1	528.1	79.9	1.103	1.060	1.001	-0.119	1.060	-0.001	0.030	1.64	-0.05
26	17.666	1.028	1061.83	1400.2	528.7	79.8	1.131	1.082	1.000	-0.163	1.081	-0.001	0.040	2.13	-0.05
27	18.000	1.028	1063.20	1398.6	528.7	79.8	1.149	1.094	0.999	-0.189	1.093	0.001	0.048	2.53	0.03
28	18.333	1.027	1062.94	1398.3	528.5	79.9	1.100	1.057	0.998	-0.116	1.056	0.010	0.034	1.94	0.53
29	18.666	1.028	1064.03	1400.6	529.8	80.0	0.979	0.960	0.998	-0.078	0.959	0.011	0.016	0.93	0.66
30	19.000	1.027	1062.71	1399.6	528.8	79.9	0.964	0.948	0.999	-0.102	0.948	0.008	0.008	0.53	0.69

TEST PART		ALPHA		WING		Y		Z		RUN SURVEY		DATE		AEDC PROPELLSION WIND TUNNEL		TRANSONIC 47	
TC-484		349		3.000		3.00		-1.50		4-236		2- 3-77					
POINT	X	M	VM	PI	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	VL/VM	WL/VM	AAL	SWL	
1	10.000	1.024	1059.99	1398.4	527.2	79.6	1.090	1.052	0.999	-0.105	1.032	0.000	0.000	0.003	0.14	0.01	
2	10.333	1.021	1057.76	1397.2	525.6	79.8	1.073	1.041	1.000	-0.082	1.041	0.003	0.002	0.002	0.09	0.17	
3	10.666	1.024	1059.76	1397.4	526.6	79.8	1.030	1.005	1.000	-0.010	1.005	0.008	0.003	-0.003	-0.16	0.48	
4	11.000	1.024	1059.70	1399.4	527.3	79.9	0.996	0.978	1.000	0.045	0.978	0.013	0.008	-0.008	-0.48	0.79	
5	11.333	1.024	1059.67	1399.9	527.6	79.7	0.982	0.966	1.001	0.069	0.966	0.016	0.013	-0.013	-0.75	0.96	
6	11.666	1.024	1060.13	1398.1	527.2	79.7	0.976	0.960	1.001	0.081	0.960	0.018	0.017	-0.017	-1.03	1.07	
7	12.000	1.024	1060.03	1397.7	526.9	79.7	0.972	0.957	1.001	0.087	0.957	0.018	0.018	-0.022	-1.22	1.06	
8	12.333	1.025	1060.66	1399.3	527.8	79.8	0.972	0.957	1.001	0.098	0.956	0.016	0.016	-0.025	-1.50	0.98	
9	12.666	1.026	1061.70	1399.2	528.2	80.0	0.970	0.954	1.001	0.093	0.954	0.013	0.013	-0.027	-1.62	0.81	
10	13.000	1.025	1061.29	1398.6	527.8	79.9	0.969	0.954	1.001	0.094	0.954	0.010	0.010	-0.027	-1.64	0.62	
11	13.333	1.025	1060.75	1399.1	527.7	79.9	0.976	0.960	1.001	0.082	0.960	0.008	0.008	-0.027	-1.59	0.46	
12	13.666	1.025	1061.20	1398.8	527.9	79.8	0.979	0.962	1.001	0.077	0.962	0.005	0.005	-0.025	-1.48	0.32	
13	14.000	1.027	1062.48	1397.8	528.1	79.7	0.985	0.966	1.001	0.070	0.966	0.003	0.003	-0.022	-1.30	0.20	
14	14.333	1.026	1062.04	1398.3	528.1	79.8	0.989	0.970	1.001	0.061	0.970	0.002	0.002	-0.019	-1.12	0.15	
15	14.666	1.024	1061.63	1397.9	527.8	79.7	0.993	0.973	1.001	0.056	0.973	0.001	0.001	-0.015	-0.91	0.06	
16	15.000	1.025	1061.01	1396.5	527.0	79.6	0.996	0.976	1.001	0.050	0.976	0.000	0.000	-0.012	-0.72	0.00	
17	15.333	1.027	1062.28	1397.8	528.0	79.9	1.002	0.980	1.001	0.042	0.980	-0.000	-0.000	-0.008	-0.49	-0.00	
18	15.666	1.027	1062.67	1399.7	528.9	79.9	1.004	0.981	1.001	0.039	0.981	-0.000	-0.000	-0.003	-0.19	-0.02	
19	16.000	1.026	1061.85	1398.5	528.2	79.6	1.006	0.983	1.002	0.036	0.983	0.000	0.000	0.002	0.09	0.02	
20	16.333	1.027	1062.48	1397.4	528.0	79.7	1.020	0.994	1.001	0.013	0.994	0.000	0.000	0.008	0.44	0.02	
21	16.666	1.027	1062.52	1396.9	527.8	79.8	1.065	1.031	1.001	-0.060	1.030	-0.001	-0.001	0.019	1.09	-0.06	
22	17.000	1.028	1063.58	1400.5	529.6	79.9	1.104	1.060	1.000	-0.119	1.059	-0.002	-0.002	0.029	1.59	-0.10	
23	17.333	1.029	1064.14	1400.3	529.8	79.9	1.130	1.079	1.000	-0.158	1.079	-0.002	-0.002	0.040	2.14	-0.12	
24	17.666	1.028	1063.03	1397.5	528.2	79.8	1.155	1.099	0.999	-0.197	1.099	-0.001	-0.001	0.032	2.69	-0.06	
25	18.000	1.029	1064.13	1397.3	528.6	79.9	1.148	1.093	0.997	-0.187	1.092	0.006	0.006	0.050	2.65	0.32	
26	18.333	1.028	1063.57	1399.7	529.4	79.6	1.024	0.997	0.999	0.004	0.996	0.014	0.014	0.024	1.40	0.91	
27	18.666	1.025	1061.01	1396.7	527.0	79.8	0.966	0.951	0.999	0.096	0.951	0.012	0.012	0.014	0.84	0.72	
28	19.000	1.027	1062.73	1397.3	528.1	79.7	0.970	0.954	1.000	0.092	0.954	0.009	0.009	0.008	0.50	0.52	

TEST PART RFX10-6 ALPHA WING Y 2 RUN SUPPLY DATE AEDC PROPULSION BIND TUNNEL
 TC-484 350 3.000 0.01 48 3.00 -1.00 4-237 2-3-77 TRANSONIC 4T

POINT	X	M	VN	PT	Q	TT	ML	VML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SPL
1	10.000	1.022	1058.22	1400.4	527.0	80.0	1.085	1.051	1.000	-0.101	1.051	0.001	0.002	0.12	0.06
2	10.333	1.023	1058.73	1397.9	526.4	78.7	1.061	1.031	1.000	-0.061	1.031	0.005	0.001	0.06	0.28
3	10.666	1.023	1059.19	1396.3	526.0	77.7	1.021	0.998	1.000	0.005	0.998	0.011	-0.003	-0.16	0.63
4	11.000	1.024	1061.58	1397.8	527.7	79.8	0.990	0.971	1.000	0.058	0.971	0.017	-0.007	-0.40	1.01
5	11.333	1.025	1061.25	1398.9	527.9	78.9	0.978	0.961	1.001	0.079	0.961	0.021	-0.013	-0.75	1.28
6	11.666	1.026	1061.26	1399.5	528.2	78.7	0.964	0.949	1.001	0.103	0.949	0.024	-0.020	-1.19	1.48
7	12.000	1.025	1060.47	1397.4	527.1	79.6	0.944	0.933	1.001	0.135	0.933	0.024	-0.026	-1.60	1.89
8	12.333	1.024	1059.55	1396.2	526.2	79.6	0.943	0.933	1.002	0.136	0.932	0.021	-0.032	-1.96	1.79
9	12.666	1.025	1061.14	1398.1	527.6	78.7	0.959	0.945	1.000	0.110	0.945	0.016	-0.035	-2.13	1.00
10	13.000	1.025	1061.14	1398.1	527.6	78.7	0.965	0.951	1.001	0.100	0.950	0.011	-0.036	-2.15	0.67
11	13.333	1.027	1062.33	1397.9	528.1	79.8	0.970	0.954	1.001	0.095	0.953	0.007	-0.034	-2.06	0.80
12	13.666	1.026	1061.43	1397.9	527.7	78.7	0.976	0.960	1.001	0.082	0.959	0.003	-0.031	-1.85	0.21
13	14.000	1.026	1061.50	1398.9	528.1	79.7	0.985	0.967	1.001	0.068	0.966	0.002	-0.027	-1.60	0.10
14	14.333	1.026	1062.10	1398.8	528.3	79.9	0.989	0.970	1.001	0.062	0.969	0.000	-0.023	-1.33	0.00
15	14.666	1.026	1061.35	1398.7	528.0	79.6	0.994	0.974	1.001	0.054	0.974	-0.001	-0.014	-1.06	-0.08
16	15.000	1.025	1061.13	1398.1	527.6	79.8	0.999	0.979	1.001	0.044	0.979	-0.002	-0.018	-0.83	-0.09
17	15.333	1.027	1062.55	1398.9	528.5	79.8	1.005	0.983	1.001	0.036	0.983	-0.002	-0.009	-0.51	-0.14
18	15.666	1.027	1062.60	1398.6	528.4	79.9	1.007	0.984	1.001	0.034	0.984	-0.002	-0.004	-0.22	-0.10
19	16.000	1.027	1062.96	1399.1	528.8	79.9	1.013	0.988	1.001	0.025	0.988	-0.001	-0.002	-0.13	-0.06
20	16.333	1.026	1061.69	1398.6	528.0	79.9	1.027	1.001	1.002	0.000	1.001	-0.001	0.009	0.50	-0.04
21	16.666	1.027	1062.24	1398.5	528.2	79.9	1.052	1.021	1.001	-0.040	1.021	-0.001	0.018	1.00	-0.08
22	17.000	1.026	1061.62	1397.1	527.5	79.7	1.106	1.063	1.001	-0.125	1.063	-0.002	0.032	1.74	-0.13
23	17.333	1.027	1062.49	1398.4	528.3	79.9	1.149	1.095	0.998	-0.191	1.094	-0.002	0.049	2.55	-0.13
24	17.666	1.026	1062.07	1400.1	528.7	79.9	1.152	1.098	0.998	-0.197	1.097	0.004	0.052	2.71	0.19
25	18.000	1.026	1061.85	1398.9	528.2	79.9	1.088	1.049	0.997	-0.102	1.049	0.013	0.038	2.06	0.59
26	18.333	1.026	1061.72	1397.7	527.6	80.0	0.982	0.964	0.997	-0.088	0.964	0.015	0.022	1.33	0.88
27	18.666	1.027	1062.83	1400.6	529.3	79.9	0.972	0.955	0.999	0.089	0.955	0.012	0.014	0.85	0.72
28	19.000	1.026	1061.76	1399.7	528.4	79.9	0.976	0.959	1.000	0.082	0.959	0.009	0.011	0.64	0.33

TEST PART AEX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 JC-484 319 2.999 0.01 48 4.00 -5.00 4-206 2-3-77 TRANSONIC 47

POINT	X	M	VP	PT	O	TT	ML	YML/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SUL
3	10.500	1.025	1060.95	1398.9	527.6	79.9	1.091	1.053	0.999	-0.106	1.053	-0.002	0.007	0.39	-0.13
4	11.000	1.024	1059.85	1398.9	527.2	79.9	1.087	1.050	1.000	-0.101	1.050	-0.004	0.007	0.39	-0.21
5	11.500	1.024	1059.70	1399.2	527.3	79.9	1.046	1.020	1.000	-0.040	1.020	-0.000	0.002	0.11	-0.01
6	12.000	1.025	1060.45	1399.1	527.7	79.7	0.946	0.969	1.001	0.064	0.969	0.003	-0.005	-0.31	0.19
7	12.500	1.024	1059.68	1397.8	526.8	79.7	0.972	0.961	1.001	0.080	0.961	0.005	-0.008	-0.49	0.29
8	13.000	1.024	1060.39	1398.4	527.3	79.8	0.977	0.961	1.001	0.079	0.961	0.005	-0.010	-0.58	0.28
9	13.500	1.026	1061.46	1399.3	528.1	79.9	0.976	0.959	1.001	0.083	0.959	0.005	-0.010	-0.58	0.28
10	14.000	1.025	1060.95	1398.9	527.8	79.8	0.974	0.958	1.001	0.085	0.958	0.004	-0.009	-0.56	0.23
11	14.500	1.024	1060.36	1398.2	527.2	79.9	0.976	0.961	1.001	0.081	0.961	0.003	-0.008	-0.49	0.18
12	15.000	1.025	1060.95	1398.9	527.7	79.9	0.980	0.964	1.001	0.075	0.964	0.002	-0.007	-0.40	0.11
13	15.500	1.028	1063.32	1400.0	529.3	79.8	0.986	0.966	1.001	0.068	0.966	0.001	-0.005	-0.29	0.07
14	16.000	1.027	1062.48	1397.8	528.1	79.9	0.991	0.971	1.001	0.061	0.971	-0.000	-0.002	-0.11	-0.01
17	16.500	1.026	1061.54	1401.0	528.9	79.7	0.998	0.978	1.001	0.047	0.978	-0.001	0.001	0.08	-0.08
18	17.000	1.028	1063.72	1402.5	530.5	79.8	1.011	0.986	1.001	0.029	0.986	-0.002	0.005	0.29	-0.09
19	17.500	1.028	1064.43	1406.2	532.1	79.9	1.023	0.995	1.000	0.010	0.995	-0.002	0.009	0.53	-0.14
20	18.000	1.028	1063.65	1404.7	531.2	80.0	1.044	1.013	1.001	-0.024	1.013	-0.003	0.014	0.79	-0.16
21	18.500	1.027	1062.83	1400.6	529.2	80.0	1.069	1.033	1.001	-0.065	1.033	-0.003	0.020	1.13	-0.16
22	19.000	1.028	1063.79	1400.7	529.8	79.9	1.095	1.053	1.000	-0.105	1.052	-0.004	0.028	1.51	-0.24

TEST PART REX10-6 ALPHA MING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 XC-484 337 3.002 0.01 48 4.00 -4.00 4-224 2-3-77 JTRANSONIC 4T

POINT	X	Y	Z	PT	Q	TT	ML	YML/V4	PTL/PT	CPL	UL/V4	VL/V4	ML/V4	AML	SWL
2	10.500	1.022	1058.33	1400.6	527.2	79.8	1.006	1.059	1.000	-0.118	1.059	-0.001	0.007	0.40	-0.08
3	11.000	1.024	1059.78	1398.4	527.0	80.0	1.075	1.041	1.000	-0.081	1.041	-0.002	0.004	0.21	-0.11
4	11.500	1.024	1060.60	1399.0	527.6	80.0	1.019	0.996	1.000	0.009	0.996	0.004	-0.004	-0.23	0.28
5	12.000	1.024	1060.51	1399.8	527.8	80.1	0.984	0.967	1.001	0.067	0.967	0.006	-0.009	-0.51	0.37
6	12.500	1.025	1061.38	1400.5	528.5	80.0	0.976	0.960	1.001	0.081	0.960	0.007	-0.011	-0.68	0.44
7	13.000	1.025	1060.21	1399.6	527.9	79.9	0.975	0.959	1.001	0.083	0.959	0.007	-0.012	-0.73	0.44
8	13.500	1.025	1060.66	1397.2	528.9	80.0	0.973	0.958	1.002	0.086	0.958	0.007	-0.013	-0.75	0.34
9	14.000	1.026	1062.15	1399.1	528.3	80.1	0.978	0.961	1.001	0.080	0.961	0.006	-0.012	-0.72	0.28
10	14.500	1.026	1062.09	1401.3	529.1	80.0	0.980	0.963	1.001	0.076	0.963	0.004	-0.011	-0.67	0.28
11	15.000	1.026	1061.62	1400.2	528.5	80.1	0.983	0.965	1.001	0.071	0.965	0.003	-0.009	-0.54	0.17
12	15.500	1.027	1062.54	1398.5	528.3	79.9	0.988	0.968	1.001	0.065	0.968	0.001	-0.007	-0.39	0.09
13	16.000	1.025	1061.48	1397.8	527.5	80.0	1.001	0.980	1.002	0.043	0.980	-0.000	-0.002	-0.11	-0.08
14	16.500	1.027	1062.51	1399.6	528.7	80.0	1.009	0.985	1.001	0.030	0.985	-0.001	0.002	0.12	-0.07
15	17.000	1.027	1062.61	1399.4	528.7	79.9	1.020	0.994	1.001	0.012	0.994	-0.002	0.007	0.38	-0.11
16	17.500	1.026	1062.33	1397.7	527.9	80.0	1.042	1.012	1.002	-0.022	1.012	-0.003	0.011	0.65	-0.15
17	18.000	1.028	1063.64	1398.3	528.7	80.0	1.071	1.034	1.001	-0.067	1.034	-0.003	0.019	1.06	-0.14
18	18.500	1.027	1062.88	1400.5	529.3	79.9	1.101	1.058	1.000	-0.115	1.058	-0.004	0.027	1.48	-0.19
19	19.000	1.026	1061.74	1396.5	527.9	80.0	1.105	1.062	1.000	-0.124	1.062	-0.003	0.030	1.63	-0.18

TEST PART REX10-6 ALPHA WING X Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 338 3.001 0.01 48 4.00 -3.00 4-225 2- 3-77 TRANSONIC 4T

POINT	X	N	VM	PT	O	TT	ML	VM/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
1	10.500	1.022	1058.42	1400.4	527.1	79.9	1.088	1.052	1.000	-0.104	1.052	-0.002	0.003	0.17	-0.09
2	11.000	1.022	1058.04	1398.9	526.4	79.9	1.050	1.023	1.000	-0.045	1.023	0.003	-0.001	-0.05	0.15
3	11.500	1.023	1059.46	1399.9	527.3	80.1	0.993	0.976	1.000	0.049	0.976	0.009	-0.008	-0.48	0.50
4	12.000	1.024	1059.78	1400.5	527.7	80.0	0.980	0.964	1.001	0.073	0.964	0.011	-0.011	-0.68	0.66
5	12.500	1.024	1059.86	1399.7	527.5	80.0	0.975	0.960	1.001	0.081	0.960	0.012	-0.014	-0.83	0.70
6	13.000	1.023	1059.36	1397.4	526.4	80.0	0.968	0.955	1.002	0.093	0.955	0.011	-0.015	-0.91	0.66
7	13.500	1.025	1061.17	1399.9	528.2	79.9	0.975	0.959	1.001	0.084	0.959	0.010	-0.016	-0.95	0.59
8	14.000	1.024	1060.41	1399.4	527.7	79.8	0.975	0.959	1.002	0.083	0.959	0.008	-0.015	-0.92	0.48
9	14.500	1.024	1059.71	1396.9	526.5	79.8	0.974	0.960	1.001	0.083	0.959	0.006	-0.014	-0.82	0.34
10	15.000	1.025	1061.09	1395.7	526.7	79.7	0.985	0.967	1.001	0.067	0.967	0.004	-0.012	-0.69	0.21
11	15.500	1.027	1062.74	1400.8	529.3	79.9	0.995	0.974	1.001	0.052	0.974	0.002	-0.008	-0.47	0.11
12	16.000	1.027	1062.51	1401.9	529.6	79.9	1.009	0.986	1.002	0.031	0.986	-0.001	-0.001	-0.07	-0.04
13	16.500	1.025	1061.27	1397.6	527.4	80.0	1.020	0.996	1.001	0.011	0.996	-0.001	0.004	0.25	-0.07
14	17.000	1.028	1063.29	1398.0	528.6	79.8	1.041	1.011	1.001	-0.020	1.011	-0.002	0.010	0.58	-0.12
15	17.500	1.028	1062.24	1401.0	529.1	80.0	1.072	1.037	1.001	-0.072	1.036	-0.003	0.019	1.03	-0.16
16	18.000	1.028	1063.30	1398.8	528.9	79.8	1.105	1.061	1.001	-0.121	1.061	-0.003	0.028	1.51	-0.17
17	18.500	1.026	1061.47	1394.7	528.5	79.8	1.141	1.090	1.000	-0.178	1.089	-0.004	0.040	2.13	-0.22
18	19.000	1.028	1063.49	1398.4	528.7	80.1	1.001	0.979	0.998	0.040	0.979	0.003	0.015	0.88	0.19

TEST PART REX10-4 ALPHA WING Y. 2 PUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 130 2.990 0.01 40 4.00 -2.00 4-226 2-3-77 TRANSONIC 47

POINT	Z	M	VU	BT	O	TT	VL	VH/VH	PTL/PT	CPL	UL/VH	VL/VH	VL/VH	ABL	SWL
1	10.500	1.022	1059.73	1364.6	525.6	80.1	1.077	1.043	1.000	-0.046	1.043	0.000	0.002	0.10	0.00
4	11.000	1.024	1040.04	1400.5	520.3	80.1	1.031	1.005	1.000	-0.010	1.005	0.007	-0.003	-0.17	0.41
5	11.500	1.026	1021.32	1427.7	519.4	79.8	0.988	0.969	1.001	0.062	0.969	0.013	-0.003	-0.51	0.77
6	12.000	1.024	1059.83	1368.3	526.9	80.0	0.973	0.958	1.001	0.084	0.958	0.016	-0.013	-0.77	0.97
7	12.500	1.024	1059.83	1368.3	526.9	79.6	0.973	0.958	1.001	0.084	0.958	0.016	-0.016	-0.95	1.02
8	13.000	1.024	1041.23	1368.1	527.5	80.1	0.970	0.955	1.001	0.092	0.955	0.014	-0.019	-1.15	0.97
9	13.500	1.024	1063.02	1400.5	528.4	80.0	0.972	0.956	1.001	0.089	0.956	0.014	-0.021	-1.26	0.81
10	14.000	1.025	1060.00	1401.5	528.6	80.0	0.972	0.961	1.001	0.079	0.961	0.010	-0.021	-1.22	0.59
11	14.500	1.025	1040.44	1368.8	527.4	79.8	0.982	0.965	1.002	0.072	0.965	0.008	-0.018	-1.08	0.37
12	15.000	1.025	1060.57	1365.1	526.2	79.8	0.987	0.969	1.002	0.064	0.969	0.003	-0.014	-0.85	0.16
13	15.500	1.027	1067.50	1398.2	528.3	79.9	0.998	0.977	1.000	0.046	0.977	0.001	-0.009	-0.55	0.03
14	16.000	1.028	1043.49	1403.6	530.7	80.0	1.011	0.996	1.000	0.028	0.996	-0.001	-0.001	-0.03	-0.08
15	16.500	1.024	1067.11	1400.6	529.0	80.0	1.041	1.011	1.002	-0.020	1.011	-0.003	0.000	0.49	-0.15
16	17.000	1.026	1041.76	1364.6	527.3	80.0	1.073	1.038	1.001	-0.074	1.038	-0.005	0.018	0.98	-0.27
17	17.500	1.028	1043.94	1368.5	528.6	80.1	1.114	1.068	1.000	-0.136	1.067	-0.006	0.030	1.63	-0.31
18	18.000	1.028	1043.77	1402.5	530.4	80.1	1.140	1.102	0.999	-0.203	1.101	-0.006	0.048	2.48	-0.30
19	18.500	1.026	1061.75	1368.9	528.1	80.0	1.060	1.031	0.997	-0.104	1.030	0.005	0.030	1.61	0.37
20	19.000	1.027	1042.66	1399.7	528.8	80.0	0.939	0.928	0.997	0.140	0.927	0.006	0.008	0.52	0.34

TEST PART REX10-6 ALFA HING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
TC-484 351 3.003 0.01 48 4.00 -1.50 4-238 2-3-77 TRANSONIC 47

POINT	X	Y	W	VM	PT	Q	TT	ML	VM/VW	PIL/PT	CPL	UL/VA	VL/VM	WL/VM	AAL	SWL
2	10.500	1.023	1059.19	1400.9	527.7	79.9	1.036	1.027	0.999	-0.054	0.012	0.994	0.008	0.001	0.08	0.43
3	11.000	1.023	1059.46	1399.5	527.3	79.9	1.016	0.984	1.000	0.067	0.015	0.966	0.015	-0.008	-0.17	0.53
4	11.500	1.024	1059.45	1398.9	527.2	79.6	0.983	0.967	1.000	0.067	0.015	0.966	0.015	-0.008	-0.47	0.92
5	12.000	1.023	1059.34	1398.3	526.8	79.7	0.974	0.959	1.001	0.082	0.020	0.959	0.020	-0.012	-0.72	1.17
6	12.500	1.024	1059.67	1397.4	526.7	79.7	0.966	0.953	1.001	0.086	0.021	0.953	0.021	-0.017	-1.04	1.27
7	13.000	1.024	1060.25	1396.4	526.5	79.9	0.961	0.948	1.001	0.106	0.019	0.948	0.019	-0.022	-1.30	1.17
8	13.500	1.024	1061.09	1398.4	527.6	79.9	0.966	0.951	1.001	0.099	0.016	0.951	0.016	-0.025	-1.51	0.94
9	14.000	1.026	1062.22	1400.2	528.8	80.0	0.976	0.954	1.001	0.084	0.010	0.958	0.010	-0.024	-1.46	0.59
10	14.500	1.026	1061.76	1399.7	528.4	79.9	0.983	0.965	1.001	0.071	0.005	0.965	0.005	-0.022	-1.29	0.30
11	15.000	1.025	1060.88	1398.2	527.5	79.8	0.990	0.972	1.001	0.059	0.001	0.972	0.001	-0.016	-0.96	0.05
12	15.500	1.026	1062.04	1398.3	528.1	79.8	1.000	0.978	1.001	0.045	-0.001	0.978	-0.001	-0.011	-0.62	-0.05
13	16.000	1.027	1062.45	1398.7	528.5	79.7	1.001	0.979	1.000	0.043	-0.031	0.979	-0.004	-0.003	-0.15	-0.21
14	16.500	1.027	1062.59	1398.2	528.3	79.9	1.047	1.016	1.001	-0.031	0.016	1.016	-0.006	0.010	0.54	-0.32
15	17.000	1.027	1063.09	1398.2	528.5	79.9	1.097	1.055	1.001	-0.109	0.109	1.055	-0.007	0.024	1.28	-0.40
16	17.500	1.026	1061.51	1399.6	528.3	79.8	1.143	1.092	1.000	-0.183	0.183	1.091	-0.009	0.041	2.13	-0.49
17	18.000	1.027	1061.94	1398.3	528.1	79.6	1.184	1.122	0.998	-0.243	0.243	1.120	-0.007	0.060	3.08	-0.38
18	18.500	1.026	1061.60	1398.3	527.2	79.7	0.987	0.968	0.995	0.057	0.057	0.968	0.008	0.019	1.11	0.46
19	19.000	1.026	1061.54	1398.3	527.9	79.6	0.940	0.928	0.997	0.138	0.138	0.928	0.008	0.008	0.49	0.33

TEST PART AEX10-A ALPHA WING Y Z PUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 132 2.996 0.01 49 4.00 -1.00 4-239 2-3-77 TRANSONIC 9T

POINT	X	M	VM	PT	O	TT	ML	VM/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SWL
1	10.500	1.022	1057.77	1397.6	525.8	79.7	1.067	1.036	1.000	-0.073	1.036	0.001	0.001	0.04	0.04
2	11.000	1.023	1058.95	1397.0	526.1	79.9	1.010	0.990	1.001	0.021	0.990	0.010	-0.002	-0.12	0.59
3	11.500	1.024	1060.40	1399.4	527.6	80.0	0.983	0.966	1.000	0.067	0.966	0.018	-0.006	-0.36	1.07
4	12.000	1.024	1059.64	1400.8	528.0	79.8	0.970	0.956	1.000	0.080	0.956	0.024	-0.011	-0.65	1.45
5	12.500	1.023	1059.02	1397.5	526.5	79.4	0.942	0.933	1.001	0.136	0.932	0.027	-0.019	-1.18	1.64
6	13.000	1.024	1060.12	1397.3	526.8	79.8	0.940	0.931	1.001	0.140	0.930	0.025	-0.020	-1.75	1.51
7	13.500	1.024	1062.07	1399.7	528.6	79.8	0.944	0.932	1.001	0.137	0.931	0.017	-0.033	-2.05	1.03
8	14.000	1.024	1059.53	1397.9	526.8	79.6	0.966	0.953	1.001	0.097	0.952	0.008	-0.032	-1.90	0.50
9	14.500	1.024	1059.89	1396.1	526.3	79.6	0.979	0.963	1.001	0.075	0.963	0.003	-0.029	-1.58	0.15
10	15.000	1.028	1063.54	1397.9	528.8	79.5	0.993	0.971	1.000	0.058	0.971	-0.002	-0.020	-1.70	-0.10
11	15.500	1.027	1062.41	1399.2	528.6	79.7	1.004	0.981	1.001	0.042	0.981	-0.004	-0.012	-0.72	-0.25
12	16.000	1.027	1062.35	1398.3	528.4	79.5	1.002	0.980	1.001	0.042	0.980	-0.006	-0.004	-0.22	-0.35
13	16.500	1.026	1061.46	1396.8	527.3	79.6	1.039	1.010	1.001	-0.020	1.010	-0.008	0.007	0.42	-0.45
14	17.000	1.026	1061.97	1397.0	527.6	79.7	1.118	1.072	1.000	-0.143	1.071	-0.012	0.029	1.56	-0.64
15	17.500	1.027	1062.29	1398.4	528.2	79.8	1.178	1.117	0.999	-0.234	1.116	-0.013	0.050	2.97	-0.68
16	18.000	1.027	1062.09	1398.2	528.2	79.5	1.175	1.115	0.996	-0.233	1.114	-0.002	0.054	2.76	-0.09
17	18.500	1.026	1061.67	1397.2	527.6	79.5	0.939	0.928	0.995	0.136	0.928	0.008	0.016	0.99	0.48
18	19.000	1.026	1064.10	1397.0	528.7	79.6	0.942	0.929	0.998	0.139	0.929	0.005	0.010	0.63	0.33

TEST PART DEX10-6 ALPHA WING Y Z RUN SURVEY DATE
 TC-484 320 3.002 0.01 4% 5.50 -5.00 4-207 2-3-77

AEDC PROPULSION WIND TUNNEL
 TRANSONIC 4T

POINT	X	Y	Z	PT	ML	VML/VW	PTL/PT	CPL	UL/VW	VL/VW	ML/VW	AAL	SWL
1	10.500	1.022	1058.58	1400.5	527.3	79.8	1.090	1.054	-0.107	-0.004	0.005	0.27	-0.30
2	11.000	1.022	1058.39	1398.8	528.5	79.8	1.090	1.054	-0.107	-0.003	0.005	0.29	-0.19
3	11.500	1.023	1059.03	1398.5	528.6	80.0	1.072	1.040	-0.079	-0.002	0.004	0.21	-0.11
4	12.000	1.024	1059.62	1400.0	527.6	79.7	1.006	0.986	0.029	0.003	-0.002	-0.14	0.30
5	12.500	1.023	1058.95	1399.1	526.9	79.8	0.975	0.961	0.080	0.007	-0.007	-0.40	0.39
6	13.000	1.024	1060.19	1398.4	527.2	79.9	0.970	0.956	0.091	0.007	-0.009	-0.52	0.43
7	13.500	1.024	1059.94	1398.3	527.1	79.7	0.971	0.957	0.088	0.008	-0.009	-0.55	0.49
8	14.000	1.025	1060.90	1399.0	527.8	79.9	0.972	0.957	0.088	0.008	-0.009	-0.54	0.46
9	14.500	1.025	1060.59	1398.6	527.5	79.9	0.973	0.958	0.086	0.007	-0.009	-0.54	0.41
10	15.000	1.026	1061.50	1399.0	528.0	79.9	0.976	0.960	0.082	0.005	-0.008	-0.48	0.31
11	15.500	1.027	1062.28	1400.1	528.9	79.7	0.962	0.964	0.074	0.004	-0.007	-0.40	0.24
12	16.000	1.026	1061.32	1397.5	527.4	79.8	0.988	0.970	0.063	0.002	-0.005	-0.27	0.16
13	16.500	1.027	1062.86	1397.0	527.8	80.1	0.998	0.976	0.049	0.001	-0.002	-0.09	0.06
14	17.000	1.028	1063.80	1398.6	529.0	79.9	1.007	0.993	0.036	-0.000	0.002	0.12	-0.00
15	17.500	1.028	1063.67	1399.9	529.4	79.9	1.021	0.995	0.012	-0.001	0.006	0.34	-0.06
16	18.000	1.024	1063.95	1398.7	529.2	79.7	1.041	1.010	-0.018	-0.002	0.011	0.51	-0.12
17	18.500	1.028	1063.49	1397.8	528.6	79.8	1.061	1.026	-0.052	-0.003	0.016	0.99	-0.15
18	19.000	1.028	1062.95	1398.7	528.7	79.7	1.086	1.046	-0.091	-0.005	0.023	1.24	-0.25

TEST PART REF10-4 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
TC-004 340 2.996 0.01 40 9.90 -4.00 4-227

POINT	X	Y	VW	BT	Q	TY	WL	VM/VW	PTI/PT	CPL	UL/VW	VL/VW	WL/VW	AIL	SWL
1	10.500	1.021	1043.33	1388.7	526.0	80.0	1.097	1.060	1.001	-0.119	1.080	-0.005	0.005	0.24	-0.27
2	11.500	1.072	1058.30	1389.4	526.5	80.1	1.082	1.048	1.000	-0.097	1.048	-0.003	0.003	0.18	-0.18
3	11.500	1.073	1049.76	1389.8	527.4	80.0	1.052	1.023	1.000	-0.047	1.023	0.001	-0.000	-0.00	0.03
4	12.500	1.024	1040.24	1401.0	528.2	80.0	0.980	0.971	0.999	0.056	0.971	0.006	-0.006	-0.14	0.38
5	12.500	1.025	1040.83	1400.6	528.3	80.0	0.973	0.958	1.001	0.075	0.958	0.009	-0.008	-0.58	0.34
6	13.500	1.024	1040.34	1398.7	527.3	80.1	0.971	0.957	1.001	0.088	0.957	0.010	-0.010	-0.50	0.39
7	13.500	1.024	1040.48	1398.2	527.3	80.1	0.971	0.957	1.001	0.088	0.957	0.010	-0.011	-0.46	0.50
8	14.000	1.024	1042.02	1388.8	528.5	80.0	0.975	0.958	1.001	0.085	0.958	0.009	-0.011	-0.57	0.55
9	14.000	1.024	1041.47	1400.3	528.4	80.1	0.975	0.959	1.001	0.083	0.959	0.008	-0.011	-0.55	0.46
10	15.000	1.024	1042.38	1400.7	529.0	80.1	0.978	0.960	1.001	0.080	0.960	0.006	-0.010	-0.58	0.36
11	15.000	1.027	1042.57	1399.9	528.8	80.1	0.995	0.966	1.001	0.049	0.966	0.004	-0.009	-0.51	0.23
12	16.000	1.027	1042.83	1400.6	529.2	80.1	0.996	0.975	1.000	0.050	0.975	0.001	-0.005	-0.31	0.08
13	16.500	1.027	1042.83	1400.2	529.1	79.9	1.006	0.983	1.001	0.036	0.982	-0.000	-0.002	-0.10	-0.02
14	17.000	1.026	1041.85	1399.1	528.2	79.9	1.016	0.992	1.002	0.018	0.992	-0.002	0.003	0.16	-0.19
15	17.500	1.028	1041.44	1398.5	528.7	80.0	1.042	1.012	1.001	-0.027	1.012	-0.002	0.003	0.48	-0.13
16	18.000	1.027	1043.04	1399.1	528.0	79.9	1.043	1.028	1.001	-0.035	1.028	-0.003	0.015	0.81	-0.19
17	18.500	1.028	1043.65	1398.9	529.1	80.0	1.090	1.048	1.001	-0.038	1.048	-0.006	0.023	1.23	-0.31
18	19.000	1.027	1042.45	1398.7	528.3	80.0	1.115	1.049	1.000	-0.138	1.049	-0.008	0.031	1.65	-0.43

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY
 TC-484 341 2.997 0.01 43 3.50 -3.00 4-228

DATE 2-3-77
 AEDC PROPULSION WIND TUNNEL
 TRANSONIC 47

POINT	X	Y	W	Vx	PT	Q	IT	ML	YML/Vx	PTL/PI	CPL	UL/Vx	VL/Vx	WL/Vx	AAL	SML
1	10.500	1.021	1.021	1037.31	1400.0	526.3	80.1	1.093	1.058	1.000	-0.115	1.058	-0.004	0.003	0.16	-0.21
2	11.000	1.023	1.023	1039.48	1399.3	527.1	80.1	1.092	1.047	1.001	-0.003	1.047	-0.003	0.003	0.15	-0.15
3	11.500	1.022	1.022	1038.84	1398.4	526.5	80.0	1.078	1.005	1.000	-0.005	1.005	0.004	-0.002	-0.12	0.25
4	12.000	1.024	1.024	1040.36	1399.9	527.8	80.0	0.983	0.966	1.000	0.068	0.966	0.010	-0.007	-0.41	0.58
5	12.500	1.025	1.025	1040.63	1400.6	528.2	80.0	0.975	0.960	1.001	0.032	0.960	0.012	-0.009	-0.55	0.72
6	13.000	1.025	1.025	1060.71	1398.4	527.8	79.9	0.972	0.957	1.001	0.088	0.957	0.013	-0.011	-0.65	0.77
7	13.500	1.026	1.026	1061.58	1398.0	527.7	79.9	0.970	0.955	1.001	0.092	0.955	0.012	-0.012	-0.73	0.74
8	14.000	1.025	1.025	1060.55	1398.7	527.6	79.7	0.972	0.957	1.001	0.087	0.957	0.011	-0.013	-0.78	0.69
9	14.500	1.026	1.026	1062.13	1397.9	527.9	79.9	0.974	0.958	1.001	0.086	0.958	0.010	-0.013	-0.79	0.58
10	15.000	1.025	1.025	1061.20	1398.8	527.8	79.9	0.981	0.964	1.001	0.074	0.963	0.007	-0.013	-0.75	0.42
11	15.500	1.026	1.026	1061.91	1399.4	528.4	79.8	0.987	0.968	1.001	0.065	0.968	0.004	-0.010	-0.59	0.22
12	16.000	1.024	1.024	1063.30	1399.0	528.9	79.9	1.004	0.981	1.001	0.041	0.981	-0.000	-0.006	-0.34	-0.01
13	16.500	1.027	1.027	1062.41	1399.4	528.7	79.8	1.016	0.992	1.000	0.017	0.992	-0.003	-0.000	-0.03	-0.16
14	17.000	1.026	1.026	1062.00	1398.8	528.2	80.0	1.036	1.008	1.001	-0.015	1.008	-0.004	0.005	0.30	-0.20
15	17.500	1.027	1.027	1062.57	1399.9	528.9	79.8	1.067	1.032	1.000	-0.063	1.032	-0.004	0.013	0.74	-0.24
16	18.000	1.026	1.026	1062.04	1398.3	528.0	80.0	1.094	1.054	1.001	-0.107	1.054	-0.007	0.022	1.19	-0.37
17	18.500	1.027	1.027	1062.80	1399.0	526.7	79.9	1.131	1.081	1.000	-0.162	1.080	-0.010	0.035	1.86	-0.55
18	19.000	1.025	1.025	1063.45	1399.3	528.3	80.0	1.085	1.032	0.999	-0.065	1.031	-0.005	0.021	1.19	-0.79

TEST PAPT REX10-6 ALPHA WING Y 2 ROW SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 342 2.995 0.01 43 5.50 -2.00 4-229 2-3-77 TRANSONIC ST

POINT	X	M	VH	PT	O	TT	ML	VH/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SML
6	10.500	1.020	1057.18	1398.6	525.0	79.0	1.083	1.050	1.000	-0.099	1.050	-0.003	0.002	0.13	-0.17
7	11.000	1.022	1059.55	1399.3	526.0	79.8	1.073	1.041	1.000	-0.091	1.041	-0.001	0.002	0.10	-0.06
8	11.500	1.024	1059.60	1398.4	527.0	79.9	1.006	0.985	1.000	0.030	0.985	0.007	-0.003	-0.17	0.43
9	12.000	1.024	1059.88	1398.0	527.0	79.7	0.980	0.964	1.001	0.072	0.964	0.013	-0.006	-0.36	0.76
10	12.500	1.024	1060.29	1398.2	527.3	79.7	0.974	0.959	1.001	0.083	0.959	0.016	-0.008	-0.50	0.96
11	13.000	1.023	1059.63	1398.3	526.9	79.9	0.968	0.955	1.001	0.092	0.955	0.017	-0.011	-0.63	1.02
12	13.500	1.025	1060.81	1399.8	528.0	79.9	0.969	0.955	1.001	0.092	0.954	0.017	-0.013	-0.76	1.04
13	14.000	1.026	1061.46	1399.7	528.3	79.9	0.968	0.953	1.001	0.095	0.953	0.016	-0.015	-0.90	0.95
14	14.500	1.025	1061.08	1398.2	527.5	79.9	0.970	0.955	1.002	0.092	0.955	0.012	-0.017	-1.01	0.75
15	15.000	1.026	1062.19	1398.6	528.2	79.9	0.980	0.962	1.001	0.077	0.962	0.008	-0.016	-0.97	0.48
16	15.500	1.026	1061.87	1399.9	528.5	80.0	0.990	0.970	1.001	0.060	0.970	0.003	-0.014	-0.80	0.18
17	16.000	1.027	1062.86	1399.1	528.8	79.7	1.007	0.984	1.001	0.034	0.984	-0.003	-0.007	-0.42	-0.19
18	16.500	1.027	1062.91	1396.7	527.8	79.9	1.035	1.007	1.001	-0.012	1.007	-0.006	0.002	0.13	-0.34
19	17.000	1.027	1062.96	1399.5	528.9	79.9	1.070	1.034	1.000	-0.068	1.034	-0.008	0.011	0.61	-0.35
20	17.500	1.027	1062.44	1400.8	529.2	79.9	1.105	1.061	1.000	-0.122	1.061	-0.008	0.022	1.17	-0.42
21	18.000	1.027	1062.31	1399.2	528.5	79.9	1.148	1.095	0.999	-0.189	1.094	-0.013	0.038	2.01	-0.67
22	18.500	1.026	1061.42	1397.3	527.4	79.6	1.167	1.109	0.998	-0.219	1.108	-0.013	0.047	2.45	-0.69
23	19.000	1.028	1063.51	1399.2	529.1	79.6	0.933	0.922	0.996	0.150	0.922	-0.003	0.009	0.56	-0.20

TEST PART REX10-6 ALPHA MING Y 2 SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 JC-404 351 2.997 0.01 41 5.50 -1.50 6-240

POINT	X	M	Y _u	PT	Q	TT	ML	YML/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SWL
1	10.500	1.021	1057.83	1398.5	526.2	79.8	1.080	1.047	0.999	-0.094	1.047	-0.003	0.002	0.10	-0.14
2	11.000	1.021	1057.27	1398.0	525.7	79.8	1.062	1.033	1.001	-0.065	1.033	-0.000	0.001	0.06	-0.02
3	11.500	1.023	1059.09	1398.6	526.8	79.8	1.002	0.983	1.000	0.035	0.983	0.009	-0.002	-0.13	0.52
4	12.000	1.024	1059.43	1397.7	526.7	79.6	0.977	0.962	1.001	0.077	0.962	0.014	-0.005	-0.30	0.06
5	12.500	1.024	1059.92	1397.7	526.9	79.7	0.972	0.958	1.000	0.085	0.958	0.016	-0.007	-0.42	1.06
6	13.000	1.025	1060.42	1397.3	527.0	79.7	0.967	0.953	1.001	0.046	0.952	0.020	-0.009	-0.54	1.18
7	13.500	1.025	1060.63	1397.5	527.3	79.6	0.962	0.949	1.001	0.104	0.948	0.021	-0.013	-0.76	1.24
8	14.000	1.026	1061.51	1399.2	528.2	79.7	0.961	0.947	1.001	0.107	0.947	0.019	-0.017	-1.01	1.17
9	14.500	1.028	1061.10	1398.6	527.8	79.6	0.964	0.950	1.001	0.101	0.949	0.014	-0.020	-1.28	0.86
10	15.000	1.025	1060.57	1397.2	527.1	79.6	0.976	0.960	1.001	0.082	0.959	0.008	-0.020	-1.21	0.48
11	15.500	1.026	1061.77	1397.4	527.6	79.9	0.992	0.972	1.001	0.057	0.972	0.001	-0.016	-0.96	0.09
12	16.000	1.028	1063.33	1400.2	529.4	79.8	1.009	0.985	1.000	0.031	0.955	-0.003	-0.010	-0.58	-0.29
13	16.500	1.026	1061.80	1399.0	528.1	80.0	1.039	1.010	1.001	-0.019	1.010	-0.008	0.002	0.12	-0.44
14	17.000	1.026	1061.95	1398.7	528.2	79.7	1.088	1.049	1.001	-0.046	1.049	-0.009	0.015	0.00	-0.47
15	17.500	1.027	1062.73	1397.7	528.2	79.8	1.131	1.082	0.999	-0.163	1.081	-0.012	0.029	1.58	-0.66
16	18.000	1.028	1063.76	1399.5	529.3	79.9	1.183	1.119	0.998	-0.238	1.118	-0.017	0.034	2.76	-0.86
17	18.500	1.026	1061.85	1398.7	528.2	79.6	1.086	1.047	0.995	-0.101	1.047	-0.009	0.025	1.35	-0.47
18	19.000	1.028	1063.34	1398.1	528.7	79.7	0.932	0.921	0.995	0.150	0.921	-0.003	0.008	0.48	-0.21

TEST PART REX10-6 ALPHA 0.01 4% 5.50 -1.00 RUN SURVEY 4-241 DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 4T

POINT	X	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.500	1.020	1026.62	1398.1	525.5	79.7	1.079	1.047	1.000	-0.094	1.047	-0.003	0.002	0.09	-0.18
2	11.000	1.022	1037.71	1396.9	525.6	79.5	1.057	1.028	1.000	-0.056	1.028	0.000	0.001	0.09	0.02
3	11.500	1.022	1038.40	1396.5	525.8	79.6	0.945	0.978	1.000	-0.045	0.978	0.010	-0.002	-0.10	0.57
4	12.000	1.023	1039.26	1397.0	526.4	79.6	0.978	0.963	1.001	0.076	0.963	0.016	-0.003	-0.20	0.93
5	12.500	1.025	1050.43	1397.9	527.2	79.6	0.970	0.955	1.001	0.091	0.955	0.019	-0.005	-0.32	1.15
6	13.000	1.023	1059.26	1399.3	527.2	79.7	0.964	0.951	1.001	0.099	0.951	0.023	-0.008	-0.46	1.37
7	13.500	1.024	1039.45	1396.6	526.3	79.6	0.942	0.933	1.002	0.136	0.933	0.026	-0.012	-0.74	1.57
8	14.000	1.025	1060.41	1396.9	526.9	79.6	0.940	0.930	1.000	0.140	0.930	0.025	-0.020	-1.21	1.93
9	14.500	1.026	1061.84	1398.1	528.0	79.7	0.943	0.931	1.000	0.138	0.931	0.019	-0.026	-1.59	1.14
10	15.000	1.025	1060.85	1398.7	527.8	79.6	0.971	0.955	1.001	0.091	0.955	0.008	-0.027	-1.61	0.50
11	15.500	1.025	1060.87	1397.0	527.1	79.6	0.988	0.970	1.001	0.062	0.970	-0.000	-0.022	-1.27	-0.02
12	16.000	1.026	1061.61	1396.9	527.4	79.7	1.004	0.982	1.001	0.037	0.982	-0.007	-0.013	-0.78	-0.42
13	16.500	1.024	1062.10	1398.8	528.3	79.9	1.034	1.006	1.000	-0.012	1.006	-0.011	-0.002	-0.10	-0.60
14	17.000	1.026	1061.95	1399.9	528.2	79.9	1.096	1.055	1.001	-0.110	1.055	-0.012	0.015	0.79	-0.64
15	17.500	1.027	1062.84	1398.5	528.3	79.9	1.172	1.112	0.999	-0.223	1.111	-0.017	0.043	2.23	-0.89
16	18.000	1.026	1061.36	1399.5	528.3	79.7	1.212	1.143	0.995	-0.288	1.141	-0.020	0.073	3.64	-1.02
17	18.500	1.027	1062.17	1397.2	527.8	79.6	0.942	0.930	0.992	0.128	0.930	-0.008	0.015	0.90	-0.46
18	19.000	1.027	1062.79	1398.2	528.4	79.7	0.936	0.925	0.994	0.141	0.925	-0.004	0.009	0.52	-0.27

TEST PART 321 2.995 0.01 40 7.00 -5.00 4-200 DATE 3-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 4T

POINT	X	M	VM	PT	Q	TT	ML	VHL/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SWL
1	10.500	1.021	1057.82	1397.9	525.9	79.9	1.072	1.040	1.000	-0.080	1.040	-0.001	-0.001	-0.06	-0.07
2	11.000	1.021	1057.71	1399.6	526.5	79.8	1.065	1.050	1.000	-0.100	1.050	-0.004	0.001	0.07	-0.20
3	11.500	1.023	1059.82	1400.0	527.2	79.4	1.084	1.049	1.000	-0.097	1.049	-0.004	0.003	0.14	-0.21
4	12.000	1.023	1059.14	1398.7	526.8	79.9	1.041	1.015	1.000	-0.029	1.015	0.000	0.000	0.01	0.00
5	12.500	1.024	1059.96	1398.2	527.1	79.7	0.981	0.965	1.000	0.071	0.965	0.006	-0.006	-0.34	0.35
6	13.000	1.025	1060.90	1398.8	527.6	79.9	0.971	0.956	1.000	0.069	0.956	0.008	-0.008	-0.50	0.50
7	13.500	1.025	1060.95	1398.7	527.7	79.8	0.972	0.957	1.001	0.088	0.957	0.009	-0.010	-0.57	0.54
8	14.000	1.026	1061.56	1398.7	528.3	79.9	0.972	0.956	1.001	0.089	0.956	0.009	-0.010	-0.60	0.56
9	14.500	1.024	1060.17	1400.1	527.7	80.1	0.972	0.958	1.001	0.086	0.958	0.009	-0.010	-0.60	0.51
10	15.000	1.026	1061.96	1399.1	528.3	79.8	0.972	0.956	1.001	0.090	0.956	0.007	-0.009	-0.56	0.43
11	15.500	1.026	1061.39	1398.2	527.7	79.9	0.977	0.961	1.002	0.081	0.961	0.006	-0.009	-0.52	0.38
12	16.000	1.027	1062.99	1399.0	528.4	79.9	0.966	0.966	1.001	0.059	0.966	0.004	-0.009	-0.45	0.25
13	16.500	1.026	1063.56	1399.1	529.0	79.9	0.994	0.972	1.000	0.056	0.972	0.003	-0.006	-0.34	0.16
14	17.000	1.029	1064.64	1400.8	530.2	80.0	1.005	0.980	1.001	0.041	0.990	0.001	-0.002	-0.12	0.06
15	17.500	1.028	1063.27	1399.7	529.1	79.9	1.016	0.991	1.001	0.020	0.991	0.000	0.001	0.07	0.00
16	18.000	1.027	1062.99	1399.0	528.4	79.9	1.037	1.007	1.001	-0.013	1.007	-0.002	0.006	0.35	-0.09
17	18.500	1.028	1063.71	1399.0	529.2	79.7	1.053	1.019	1.001	-0.037	1.019	-0.003	0.011	0.62	-0.19
18	19.000	1.028	1063.64	1398.1	528.9	79.8	1.071	1.033	1.001	-0.085	1.033	-0.006	0.015	0.85	-0.31

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 343 2.984 0.01 4% 7.00 5.90 9-230 2-3-72 TRANSONIC 4T

POINT	X	M	VW	PT	Q	TT	ML	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
1	10.500	1.021	1057.86	1397.6	525.7	80.0	1.077	1.044	1.000	-0.088	1.044	-0.003	-0.000	-0.03	-0.15
2	11.000	1.024	1060.07	1400.3	527.8	80.1	1.093	1.055	1.000	-0.110	1.055	-0.005	0.002	0.10	-0.29
3	11.500	1.024	1060.13	1400.4	527.9	79.9	1.079	1.044	1.000	-0.088	1.044	-0.004	0.001	0.07	-0.22
4	12.000	1.024	1059.95	1399.1	527.4	79.8	1.027	1.002	1.001	-0.004	1.002	0.002	-0.003	-0.15	0.10
5	12.500	1.024	1060.52	1397.5	527.0	80.0	0.973	0.958	1.001	0.084	0.958	0.007	-0.007	-0.41	0.44
6	13.000	1.025	1060.74	1398.3	527.4	79.9	0.970	0.955	1.000	0.090	0.955	0.009	-0.008	-0.51	0.57
7	13.500	1.025	1061.10	1399.0	527.9	79.7	0.973	0.957	1.001	0.087	0.957	0.010	-0.010	-0.57	0.60
8	14.000	1.027	1062.28	1398.3	528.2	79.8	0.974	0.957	1.001	0.089	0.957	0.010	-0.010	-0.62	0.60
9	14.500	1.026	1061.39	1398.0	527.7	79.7	0.972	0.956	1.001	0.089	0.956	0.009	-0.010	-0.62	0.58
10	15.000	1.027	1062.50	1398.8	528.5	79.8	0.977	0.959	1.001	0.082	0.959	0.008	-0.011	-0.63	0.46
11	15.500	1.026	1061.92	1399.8	528.6	79.8	0.982	0.964	1.001	0.074	0.964	0.006	-0.010	-0.58	0.35
12	16.000	1.027	1062.51	1399.2	528.7	79.6	0.988	0.968	1.001	0.065	0.968	0.004	-0.008	-0.50	0.21
13	16.500	1.027	1062.42	1397.1	527.7	80.0	0.999	0.978	1.001	0.046	0.978	0.001	-0.006	-0.34	0.08
14	17.000	1.030	1065.13	1400.2	530.2	80.0	1.015	0.988	1.000	0.023	0.988	-0.001	-0.001	-0.08	-0.05
15	17.500	1.029	1064.09	1400.9	529.9	80.0	1.035	1.005	1.001	-0.009	1.005	-0.003	0.004	0.24	-0.16
16	18.000	1.028	1063.19	1398.8	528.8	79.8	1.052	1.019	1.001	-0.037	1.019	-0.004	0.009	0.53	-0.25
17	18.500	1.026	1062.19	1398.2	528.1	79.9	1.070	1.035	1.000	-0.069	1.035	-0.007	0.014	0.80	-0.38
18	19.000	1.028	1063.46	1399.3	529.0	80.0	1.102	1.059	1.000	-0.117	1.056	-0.011	0.023	1.25	-0.50

TEST PART REX10-6 ALPHA WING Y. Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 344 2.993 0.01 44 7.00 -3.00 4-231 2-3-77 TRANSONIC 47

POINT	X	M	VH	PT	O	IT	WL	VWL/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
2	10.500	1.022	1058.15	1397.2	525.7	80.0	1.089	1.054	1.000	-0.106	1.054	-0.004	0.000	0.02	-0.23
3	11.000	1.023	1059.00	1399.0	527.0	79.7	1.084	1.056	1.000	-0.113	1.056	-0.006	0.001	0.04	-0.32
4	11.500	1.024	1059.98	1398.0	527.0	79.7	1.071	1.038	1.000	-0.075	1.038	-0.003	0.000	0.01	-0.17
5	12.000	1.025	1060.43	1397.7	527.1	79.7	1.009	0.987	0.999	0.025	0.987	0.005	-0.004	-0.23	0.28
6	12.500	1.026	1061.33	1397.7	527.5	79.8	0.973	0.957	1.000	0.086	0.957	0.010	-0.007	-0.40	0.58
7	13.000	1.025	1060.65	1398.9	527.6	79.5	0.971	0.956	1.001	0.089	0.956	0.012	-0.008	-0.50	0.70
8	13.500	1.025	1060.47	1399.9	528.0	79.7	0.972	0.957	1.001	0.087	0.957	0.012	-0.009	-0.58	0.74
9	14.000	1.025	1061.14	1398.3	527.7	79.7	0.970	0.954	1.001	0.093	0.954	0.011	-0.010	-0.61	0.74
10	14.500	1.025	1060.96	1396.6	527.0	79.7	0.968	0.953	1.001	0.095	0.953	0.011	-0.011	-0.66	0.67
11	15.000	1.025	1061.16	1397.7	527.1	79.9	0.975	0.959	1.001	0.094	0.959	0.010	-0.011	-0.68	0.61
12	15.500	1.026	1061.59	1398.4	527.6	79.9	0.982	0.964	1.001	0.074	0.964	0.007	-0.011	-0.66	0.43
13	16.000	1.027	1062.53	1400.2	528.0	79.9	0.984	0.974	1.001	0.054	0.974	0.004	-0.010	-0.56	0.22
14	16.500	1.028	1063.01	1399.0	528.8	79.8	1.011	0.987	1.001	0.028	0.987	-0.000	-0.006	-0.34	-0.02
15	17.000	1.026	1062.04	1398.5	528.2	79.8	1.030	1.003	1.001	-0.005	1.003	-0.003	0.000	-0.01	-0.15
16	17.500	1.027	1062.45	1398.9	528.5	79.7	1.055	1.022	1.001	-0.044	1.022	-0.005	0.007	0.42	-0.26
17	18.000	1.028	1063.15	1398.7	528.8	79.8	1.074	1.037	1.000	-0.073	1.037	-0.008	0.014	0.75	-0.42
18	18.500	1.026	1063.59	1398.0	528.6	79.9	1.106	1.062	1.000	-0.123	1.061	-0.013	0.023	1.25	-0.68
19	19.000	1.028	1063.57	1399.5	529.3	79.8	1.109	1.063	0.999	-0.128	1.063	-0.014	0.026	1.39	-0.78

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 TC-484 345 2.959 0.01 48 7.00 -2.00 4-232

POINT	X	Y	Z	PT	Q	TT	ML	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SWL
1	10.500	1.023	1059.00	1399.2	526.9	79.9	1.091	1.054	1.001	-0.107	1.054	-0.005	-0.001	-0.04	-0.38
2	11.000	1.022	1058.71	1397.3	526.1	79.8	1.090	1.054	1.000	-0.107	1.054	-0.006	-0.000	-0.03	-0.31
3	11.500	1.024	1060.27	1397.6	527.0	79.7	1.067	1.034	1.000	-0.048	1.034	-0.002	-0.002	-0.12	-0.09
4	12.000	1.026	1061.92	1399.8	528.5	79.9	1.011	0.987	1.000	0.025	0.987	0.007	-0.005	-0.30	0.40
5	12.500	1.026	1062.21	1399.4	528.5	80.0	0.975	0.959	1.001	0.084	0.958	0.012	-0.007	-0.40	0.71
6	13.000	1.026	1061.36	1399.5	528.2	79.8	0.971	0.955	1.001	0.090	0.955	0.014	-0.008	-0.45	0.85
7	13.500	1.024	1059.73	1398.1	527.0	79.7	0.971	0.957	1.001	0.089	0.956	0.015	-0.009	-0.52	0.93
8	14.000	1.026	1061.92	1397.1	527.6	79.7	0.967	0.952	1.002	0.099	0.952	0.016	-0.010	-0.60	0.95
9	14.500	1.026	1061.59	1398.4	527.9	79.8	0.970	0.954	1.001	0.093	0.954	0.016	-0.012	-0.71	0.98
10	15.000	1.027	1062.20	1398.8	528.4	79.7	0.971	0.955	1.001	0.092	0.955	0.014	-0.014	-0.83	0.91
11	15.500	1.026	1061.73	1397.5	527.7	79.7	0.977	0.960	1.001	0.082	0.960	0.010	-0.015	-0.89	0.57
12	16.000	1.027	1062.22	1397.1	527.8	79.6	0.997	0.976	1.001	0.049	0.976	0.003	-0.014	-0.80	0.18
13	16.500	1.027	1062.73	1397.7	528.2	79.8	1.032	1.004	1.001	-0.007	1.004	-0.002	-0.007	-0.38	-0.11
14	17.000	1.027	1062.37	1399.7	528.8	79.8	1.062	1.028	1.001	-0.055	1.028	-0.005	0.003	0.15	-0.28
15	17.500	1.026	1062.15	1398.9	528.3	80.0	1.080	1.043	1.001	-0.084	1.042	-0.008	0.011	0.59	-0.45
16	18.000	1.027	1062.48	1398.0	528.1	79.9	1.116	1.070	1.000	-0.139	1.070	-0.014	0.023	1.23	-0.76
17	18.500	1.027	1062.67	1399.7	528.9	79.9	1.161	1.104	0.999	-0.208	1.103	-0.023	0.041	2.12	-1.18
18	19.000	1.028	1063.21	1399.6	529.0	80.0	0.974	0.956	0.997	0.083	0.956	-0.011	0.007	0.43	-0.69

TEST PART REF10-6 ALPHA NING Y Z RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 TC-484 355 2.997 9.01 48 7.00 -1.50 -4-242 2-3-77 TRANSOMIC 4T

POINT	X	M	YM	PT	Q	TT	ML	VHL/VH	PTL/DY	CPL	UL/VH	VL/VH	ML/VH	AAL	SML
1	10.500	1.022	1058.22	1397.7	526.1	79.7	1.093	1.058	1.000	-0.115	1.058	-0.007	-0.001	-0.06	-0.36
2	11.000	1.022	1058.58	1398.0	526.4	79.7	1.089	1.053	1.000	-0.106	1.053	-0.006	-0.001	-0.05	-0.31
3	11.500	1.024	1059.64	1398.3	527.0	79.7	1.059	1.028	1.000	-0.055	1.028	-0.001	-0.003	-0.15	-0.04
4	12.000	1.024	1059.72	1397.7	526.8	79.7	0.989	0.972	1.000	0.056	0.972	0.009	-0.005	-0.29	0.50
5	12.500	1.023	1059.17	1398.0	526.6	79.9	0.970	0.957	1.001	0.087	0.957	0.013	-0.006	-0.36	0.79
6	13.000	1.025	1061.06	1399.5	528.0	79.9	0.970	0.953	1.001	0.091	0.953	0.015	-0.007	-0.42	0.89
7	13.500	1.023	1059.20	1399.0	527.0	79.7	0.965	0.953	1.001	0.097	0.952	0.016	-0.009	-0.48	0.98
8	14.000	1.025	1060.52	1397.5	527.1	79.8	0.964	0.950	1.002	0.102	0.950	0.017	-0.009	-0.56	1.04
9	14.500	1.025	1060.77	1397.6	527.2	79.8	0.961	0.948	1.003	0.106	0.948	0.017	-0.012	-0.70	1.03
10	15.000	1.025	1060.55	1396.2	526.6	79.7	0.965	0.951	1.002	0.100	0.951	0.016	-0.015	-0.89	0.96
11	15.500	1.024	1061.48	1398.4	527.9	79.7	0.978	0.961	1.001	0.079	0.961	0.011	-0.018	-1.04	0.67
12	16.000	1.027	1062.50	1398.6	528.5	79.7	0.998	0.976	1.001	0.049	0.976	0.004	-0.017	-1.00	0.21
13	16.500	1.027	1062.84	1398.3	528.5	79.8	1.037	1.008	1.001	-0.014	1.008	-0.005	-0.009	-0.49	-0.23
14	17.000	1.028	1064.00	1399.0	529.2	80.0	1.079	1.040	1.001	-0.078	1.040	-0.007	0.004	0.22	-0.41
15	17.500	1.028	1063.11	1399.4	529.0	79.8	1.100	1.057	1.000	-0.114	1.057	-0.011	0.015	0.79	-0.61
16	18.000	1.027	1062.59	1398.2	528.3	79.8	1.149	1.095	0.999	-0.190	1.094	-0.020	0.034	1.77	-1.03
17	18.500	1.028	1063.08	1397.6	528.4	79.7	1.134	1.083	0.997	-0.169	1.082	-0.027	0.028	1.51	-1.43
18	19.000	1.029	1063.99	1397.8	528.8	79.7	0.941	0.928	0.996	0.137	0.928	-0.012	0.004	0.27	-0.74

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 356 2.996 0.01 40 7.00 -1.00 4-243 TRANSONIC 45

POINT	X	M	N	VW	PT	O	TT	WL	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
1	10.500	1.022	1057.87	1397.8	1397.8	526.0	79.7	1.096	1.059	1.000	-0.112	1.059	-0.007	-0.002	-0.09	-0.39
2	11.000	1.023	1059.03	1398.1	1398.1	526.6	79.6	1.087	1.051	1.000	-0.103	1.051	-0.005	-0.002	-0.10	-0.29
3	11.500	1.023	1059.39	1399.0	1399.0	527.0	80.0	1.058	1.028	1.000	-0.055	1.028	-0.000	-0.003	-0.15	-0.02
4	12.000	1.023	1059.87	1397.8	1397.8	526.4	79.7	0.968	0.972	1.001	0.059	0.972	0.009	-0.004	-0.24	0.53
5	12.500	1.024	1059.53	1398.1	1398.1	526.9	79.6	0.970	0.956	1.000	0.088	0.956	0.013	-0.005	-0.30	0.81
6	13.000	1.023	1059.14	1397.0	1397.0	526.3	79.7	0.967	0.954	1.001	0.094	0.954	0.016	-0.006	-0.35	0.96
7	13.500	1.025	1060.92	1397.1	1397.1	527.1	79.7	0.965	0.950	1.001	0.101	0.950	0.017	-0.007	-0.40	1.04
8	14.000	1.025	1060.94	1398.3	1398.3	527.6	79.6	0.964	0.950	1.001	0.102	0.949	0.019	-0.008	-0.47	1.16
9	14.500	1.026	1061.86	1399.3	1399.3	528.4	79.7	0.960	0.946	1.001	0.110	0.945	0.021	-0.010	-0.63	1.23
10	15.000	1.024	1059.54	1398.5	1398.5	527.1	79.5	0.944	0.934	1.001	0.133	0.934	0.020	-0.016	-0.97	1.25
11	15.500	1.025	1061.33	1397.7	1397.7	527.5	79.9	0.965	0.951	1.001	0.100	0.950	0.015	-0.023	-1.37	0.88
12	16.000	1.026	1061.85	1398.7	1398.7	528.2	79.7	0.965	0.975	1.001	0.051	0.975	0.003	-0.024	-1.40	0.16
13	16.500	1.027	1062.36	1399.3	1399.3	528.7	79.6	1.035	1.006	1.001	-0.011	1.006	-0.005	-0.015	-0.84	-0.31
14	17.000	1.026	1062.02	1397.3	1397.3	527.7	79.8	1.068	1.033	1.000	-0.066	1.033	-0.010	-0.000	-0.01	-0.55
15	17.500	1.026	1062.13	1397.5	1397.5	527.8	79.8	1.132	1.083	1.000	-0.164	1.082	-0.017	0.022	1.17	-0.88
16	18.000	1.026	1061.85	1398.5	1398.5	528.1	79.7	1.191	1.127	0.998	-0.253	1.125	-0.029	0.054	2.73	-1.49
17	18.500	1.026	1061.42	1396.9	1396.9	527.4	79.5	1.021	0.996	0.994	-0.000	0.996	-0.026	0.012	0.71	-1.50
18	19.000	1.026	1063.00	1398.6	1398.6	529.0	79.9	0.963	0.946	0.997	0.103	0.946	-0.013	0.003	0.17	-0.91

TEST PART REX10-6 ALPHA MING Y Z RUN SURVEY DATE AERC PROPULSION WIND TUNNEL
 IC-404 357 2.96 0.01 48 -4.00 -5.00 4-244 2-3-77 TRANSONIC 41

POINT	X	M	VM	PT	Q	ST	ML	YML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	ABL	SBL
2	11.000	1.022	1058.47	1397.8	526.2	79.8	1.067	1.036	1.000	-0.072	1.036	-0.001	0.004	0.22	-0.03
3	12.000	1.022	1058.32	1397.5	526.1	79.7	0.980	0.965	1.001	0.070	0.965	-0.005	-0.006	-0.37	-0.31
4	13.000	1.024	1059.57	1397.8	526.7	79.8	0.970	0.956	1.001	0.088	0.956	-0.007	-0.009	-0.56	-0.42
5	14.000	1.027	1062.17	1399.7	528.7	79.7	0.974	0.957	1.000	0.085	0.957	-0.006	-0.010	-0.57	-0.38
6	15.000	1.025	1061.19	1398.4	527.7	79.9	0.976	0.960	1.001	0.082	0.960	-0.004	-0.007	-0.44	-0.27
7	16.000	1.025	1060.68	1398.0	527.4	79.7	0.988	0.970	1.001	0.062	0.970	-0.002	-0.004	-0.21	-0.13
8	17.000	1.027	1062.52	1399.6	528.8	79.7	1.010	0.986	1.001	0.029	0.986	0.001	0.003	0.18	0.04
9	18.000	1.027	1062.69	1397.8	528.3	79.6	1.047	1.016	1.001	-0.031	1.016	0.001	0.013	0.76	0.08
10	19.000	1.029	1063.92	1396.7	528.5	79.6	1.101	1.057	1.000	-0.113	1.057	0.002	0.028	1.49	0.09

TEST PART		ALFA		WING		Y		Z		RUN SURVEY		DATE		AEDC PROPULSION WIND TUNNEL					
TC-484		359		2.994		0.01		40		-4.00		-3.00		2-3-77		TRANSONIC 47			
POINT	X	M	VM	PT	Q	TT	WL	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML				
1	11.000	1.022	1059.19	1366.5	525.6	79.7	1.040	0.966	1.000	-0.029	1.015	0.001	0.001	0.03	0.06				
2	12.000	1.024	1040.24	1398.7	527.3	79.9	0.982	0.966	1.000	0.069	0.966	-0.007	-0.009	-0.55	-0.41				
3	13.000	1.025	1065.72	1399.8	528.0	79.8	0.974	0.958	1.001	0.054	0.958	-0.007	-0.013	-0.76	-0.43				
4	14.000	1.024	1060.26	1399.3	527.7	79.7	0.975	0.960	1.002	0.093	0.960	-0.004	-0.013	-0.79	-0.28				
5	15.000	1.024	1060.07	1397.4	526.8	79.9	0.982	0.966	1.002	0.071	0.966	0.000	-0.010	-0.59	0.00				
6	16.000	1.025	1051.12	1397.3	527.3	79.8	1.004	0.983	1.001	0.036	0.983	0.005	-0.001	-0.05	0.30				
7	17.000	1.029	1064.24	1400.8	530.1	79.7	1.047	1.014	1.000	-0.029	1.014	0.008	0.012	0.69	0.47				
8	18.000	1.026	1061.93	1397.9	527.9	79.7	1.113	1.068	1.000	-0.135	1.067	0.009	0.031	1.66	0.47				
9	19.000	1.026	1062.30	1396.1	527.3	80.0	0.982	0.984	0.999	0.071	0.983	0.001	0.013	0.75	0.06				

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 IC-484 359 3.001 0.01 48 -4.00 -1.00 4-246 TRANSOVIC 41

POINT	X	M	VM	PT	Q	IT	ML	VHL/VM	PTL/PI	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	11.000	1.022	1058.59	1401.1	527.5	79.8	1.001	0.982	1.000	0.035	0.982	-0.008	-0.004	-0.22	-0.49
2	12.000	1.022	1059.18	1398.0	526.2	79.6	0.962	0.950	1.002	0.102	0.950	-0.020	-0.011	-0.69	-1.21
3	13.000	1.022	1059.12	1395.2	525.2	79.6	0.939	0.931	1.001	0.140	0.930	-0.021	-0.028	-1.74	-1.28
4	14.000	1.024	1060.03	1397.9	527.1	79.5	0.966	0.953	1.001	0.096	0.952	-0.006	-0.031	-1.85	-0.38
5	15.000	1.026	1061.33	1397.9	527.6	79.7	0.983	0.966	1.001	0.070	0.965	0.004	-0.022	-1.31	0.25
6	16.000	1.027	1062.19	1398.0	528.1	79.7	1.013	0.989	1.001	0.024	0.989	0.012	-0.004	-0.25	0.67
7	17.000	1.027	1062.10	1398.4	528.2	79.6	1.123	1.076	1.000	-0.151	1.075	0.016	0.030	1.61	0.86
8	18.000	1.028	1063.43	1397.3	528.4	79.6	1.115	1.068	0.995	-0.141	1.067	-0.000	0.032	1.74	-0.02
9	19.000	1.026	1063.57	1396.6	528.3	79.6	0.966	0.949	0.999	0.100	0.949	-0.000	0.006	0.36	-0.02

TEST PART 9X10-6 ALFA WING Y Z RUN SURVEY
 IC-404 360 2.996 0.01 41 -7.00 -5.00 4-247

DATE 2-3-77
 AEDC PROPUSSION WIND TUNNEL
 TRANSONIC 4T

POINT	X	M	Vu	PT	Q	IT	ML	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
1	11.000	1.022	1057.97	1397.8	526.0	79.8	1.083	1.049	1.000	-0.097	1.049	0.005	0.011	0.60	0.27
2	12.000	1.023	1058.83	1397.9	526.5	79.6	1.036	1.011	1.000	-0.071	1.011	0.001	0.008	0.47	0.06
3	13.000	1.022	1058.46	1397.0	525.0	79.7	0.968	0.956	1.001	0.089	0.956	-0.008	0.000	0.01	-0.46
4	14.000	1.023	1059.42	1397.3	526.5	79.7	0.968	0.954	1.001	0.093	0.954	-0.008	0.000	0.01	-0.51
5	15.000	1.024	1060.02	1397.7	526.9	79.9	0.969	0.955	1.001	0.091	0.955	-0.007	-0.001	-0.04	-0.42
6	16.000	1.026	1062.00	1399.0	528.3	79.8	0.979	0.961	1.001	0.078	0.961	-0.005	0.001	0.06	-0.28
7	17.000	1.027	1062.47	1399.9	528.9	79.7	1.003	0.981	1.001	0.039	0.981	-0.001	0.006	0.33	-0.07
8	18.000	1.027	1062.29	1398.2	528.3	79.6	1.039	1.010	1.001	-0.018	1.009	0.002	0.015	0.85	0.12
9	19.000	1.027	1062.95	1396.0	527.6	79.8	1.083	1.044	1.000	-0.087	1.043	0.006	0.026	1.41	0.32

TEST PART DEXIO-6 ALPHA MING Y Z RUN SURVEY
TC-494 361 3.000 0.01 43 -2.00 -1.00 4-248

DATE 2-3-77

AEDC PROPUSSION WIND TUNNEL
TRANSONIC 4T

POINT	X	Y	Z	PT	Y ²	IT	VL	YML/VN	PTL/PT	CPL	UL/VN	YL/VN	ML/VN	AL	SWL
1	11.000	1.021	1057.56	1396.7	526.5	79.7	1.067	1.052	1.000	-0.103	1.052	0.008	0.008	0.44	0.46
2	12.000	1.022	1058.41	1397.1	526.0	79.7	0.992	0.976	1.000	0.049	0.976	-0.003	0.002	0.14	-0.20
3	13.000	1.024	1060.25	1396.6	526.6	79.8	0.970	0.956	1.000	0.089	0.955	-0.009	-0.001	-0.06	-0.54
4	14.000	1.027	1062.11	1399.0	520.4	79.7	0.971	0.955	1.001	0.092	0.955	-0.010	-0.003	-0.21	-0.62
5	15.000	1.026	1061.56	1399.3	528.2	79.8	0.969	0.954	1.001	0.094	0.954	-0.009	-0.005	-0.29	-0.53
6	16.000	1.025	1061.07	1397.0	527.2	79.6	0.984	0.966	1.002	0.070	0.966	-0.003	-0.004	-0.23	-0.21
7	17.000	1.028	1063.08	1397.6	526.4	79.7	1.035	1.006	1.001	-0.010	1.006	0.004	0.006	0.36	0.20
8	18.000	1.029	1064.13	1397.3	528.7	79.7	1.093	1.051	1.001	-0.101	1.050	0.010	0.023	1.26	0.55
9	19.000	1.029	1063.80	1398.8	529.1	79.8	1.067	1.031	0.999	-0.062	1.030	0.013	0.023	1.25	0.71

TEST PART AEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-464 362 3.000 0.01 48 -7.00 -1.00 -4-249 2-3-77 TRANSONIC AT

POINT	X	M	VM	PT	O	TT	ML	YML/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SWL
1	11.000	1.023	1059.16	1399.9	527.2	80.0	1.080	1.045	1.000	-0.091	1.045	0.006	0.007	0.36	0.36
2	12.000	1.022	1058.08	1398.4	526.3	79.7	0.984	0.969	1.001	0.062	0.969	-0.008	0.004	0.22	-0.50
3	13.000	1.022	1057.98	1395.9	525.3	79.6	0.965	0.953	1.001	0.095	0.953	-0.014	0.003	0.18	-0.06
4	14.000	1.025	1060.33	1397.9	527.2	79.6	0.963	0.949	1.000	0.102	0.949	-0.019	0.001	0.03	-1.14
5	15.000	1.024	1060.31	1399.2	527.6	79.7	0.942	0.932	1.001	0.137	0.932	-0.022	-0.008	-0.48	-1.36
6	16.000	1.026	1061.66	1396.8	527.3	79.8	0.982	0.964	1.001	0.073	0.964	-0.007	-0.019	-1.13	-0.42
7	17.000	1.027	1063.07	1399.3	528.0	79.9	1.105	1.061	1.000	-0.121	1.061	0.009	0.011	0.58	0.47
8	18.000	1.026	1061.46	1399.3	528.2	79.7	1.193	1.139	0.997	-0.259	1.127	0.027	0.054	2.96	1.35
9	19.000	1.027	1062.60	1395.9	527.4	79.8	0.968	0.952	0.999	0.094	0.952	0.007	0.006	0.36	0.43

TEST PART MEX10-6 ALPHA WING YT ZT RUN SURVEY
IC-404 371 2.999 0.01 48 0.00 -14.14 5-501

DATE
2-3-77

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4E

POINT	XT	P	YM	PT	Q	IT	ML	YML/VN	RTL/PT	CPL	UT/VN	VZ/VN	WZ/VN	AATL	SMTL
6	-6.000	1.026	1052.35	1366.1	515.7	70.4	0.997	0.977	1.001	0.048	0.976	0.001	0.007	0.41	0.03
7	-5.500	1.028	1053.86	1367.8	517.0	70.5	0.999	0.977	1.001	0.047	0.977	0.001	0.007	0.41	0.04
8	-5.000	1.028	1053.90	1367.1	516.8	70.5	0.997	0.975	1.001	0.051	0.975	0.001	0.007	0.42	0.04
9	-4.500	1.026	1052.00	1366.2	515.6	70.4	0.996	0.976	1.001	0.049	0.976	0.000	0.007	0.41	0.02
10	-4.000	1.025	1051.27	1365.2	515.9	70.3	0.994	0.975	1.001	0.051	0.975	0.001	0.007	0.40	0.04
11	-3.500	1.027	1052.87	1366.5	516.1	70.4	0.995	0.975	1.000	0.051	0.975	0.001	0.007	0.39	0.04
12	-3.000	1.025	1051.84	1366.4	516.3	70.5	0.996	0.976	1.001	0.049	0.976	0.001	0.007	0.41	0.04
13	-2.500	1.025	1051.86	1366.7	515.7	70.4	0.996	0.976	1.001	0.049	0.976	0.001	0.007	0.41	0.04
14	-2.000	1.025	1051.70	1366.6	515.6	70.4	0.993	0.974	1.000	0.052	0.974	0.001	0.006	0.37	0.05
15	-1.500	1.026	1052.29	1368.3	516.5	70.5	0.993	0.974	1.000	0.053	0.974	0.001	0.006	0.34	0.04
16	-1.000	1.026	1052.22	1367.0	516.0	70.4	0.985	0.967	1.000	0.057	0.967	0.000	0.005	0.28	0.02
17	-0.500	1.026	1052.01	1366.6	515.8	70.4	0.983	0.965	1.000	0.059	0.965	0.001	0.004	0.22	0.04
18	0.000	1.024	1051.10	1367.2	515.5	70.6	0.984	0.967	1.001	0.066	0.967	0.001	0.003	0.16	0.05
19	0.500	1.024	1050.76	1367.9	515.7	70.4	0.982	0.966	1.001	0.069	0.966	0.001	0.002	0.10	0.06
20	1.000	1.023	1050.13	1366.9	515.0	70.4	0.981	0.966	1.000	0.069	0.966	0.001	0.000	0.02	0.05
21	1.500	1.025	1051.34	1366.1	515.3	70.4	0.984	0.967	1.001	0.067	0.967	0.001	-0.001	-0.04	0.05
22	2.000	1.024	1050.80	1367.0	515.4	70.4	0.986	0.969	1.000	0.063	0.969	0.001	-0.002	-0.13	0.04
23	2.500	1.024	1051.06	1367.7	515.7	70.4	0.987	0.969	1.001	0.062	0.969	0.001	-0.003	-0.19	0.04
24	3.000	1.025	1051.56	1366.7	515.7	70.2	0.985	0.967	1.001	0.066	0.967	0.001	-0.004	-0.26	0.03
25	3.500	1.023	1050.03	1364.4	514.1	70.3	0.986	0.970	1.001	0.062	0.970	0.001	-0.005	-0.30	0.04
26	4.000	1.024	1050.47	1366.0	514.8	70.4	0.980	0.972	1.000	0.055	0.972	0.000	-0.006	-0.35	0.03
27	4.500	1.024	1051.15	1367.1	515.5	70.5	0.982	0.974	1.001	0.054	0.974	0.001	-0.007	-0.39	0.04
28	5.000	1.023	1050.02	1366.2	515.2	70.4	0.984	0.976	1.001	0.049	0.976	0.001	-0.007	-0.41	0.03
29	5.500	1.023	1050.26	1367.3	515.2	70.4	0.984	0.976	1.001	0.049	0.976	0.001	-0.007	-0.41	0.03
30	6.000	1.025	1051.20	1366.4	515.3	70.4	0.985	0.976	1.001	0.049	0.976	0.001	-0.007	-0.41	0.03
31	6.500	1.024	1050.55	1366.9	515.2	70.4	0.989	0.980	1.001	0.042	0.980	0.001	-0.007	-0.42	0.06
32	7.000	1.023	1050.09	1366.4	514.8	70.4	1.000	0.981	1.001	0.039	0.981	0.001	-0.007	-0.38	0.04
33	7.500	1.024	1050.56	1367.3	515.4	70.4	1.007	0.987	1.001	0.028	0.987	0.001	-0.006	-0.35	0.06
34	8.000	1.023	1049.94	1366.7	514.8	70.4	1.007	0.987	1.001	0.028	0.987	0.001	-0.006	-0.35	0.06
35	9.500	1.025	1051.56	1366.3	515.4	70.4	1.012	0.984	1.001	0.023	0.989	0.001	-0.004	-0.29	0.06
36	9.000	1.026	1052.13	1367.0	516.0	70.4	1.016	0.992	1.000	0.016	0.992	0.001	-0.003	-0.21	0.07
37	9.500	1.025	1051.84	1367.6	516.1	70.4	1.020	0.996	1.001	0.010	0.996	0.001	-0.003	-0.15	0.05
38	10.000	1.025	1051.25	1365.9	515.1	70.4	1.023	0.999	1.001	0.004	0.999	0.000	-0.001	-0.09	0.05
39	10.500	1.025	1051.26	1366.7	515.5	70.4	1.029	1.003	1.000	-0.006	1.003	0.001	0.002	0.02	0.02
40	11.000	1.025	1051.70	1368.1	516.2	70.4	1.035	1.004	1.000	-0.015	1.008	0.001	0.003	0.13	0.04
41	11.500	1.024	1050.49	1366.4	515.0	70.4	1.038	1.011	1.001	-0.021	1.014	0.001	0.007	0.26	0.03
42	12.000	1.024	1051.14	1366.1	515.2	70.4	1.042	1.014	1.001	-0.027	1.014	0.001	0.009	0.39	0.03
43	12.500	1.025	1051.84	1367.8	516.1	70.4	1.045	1.016	1.000	-0.032	1.016	0.001	0.011	0.48	0.03
44	13.000	1.025	1051.30	1366.6	515.3	70.5	1.048	1.019	1.000	-0.037	1.019	0.001	0.013	0.62	0.04
45	13.500	1.027	1052.90	1367.3	516.4	70.4	1.049	1.010	1.000	-0.020	1.010	0.001	0.012	0.75	0.05
46	14.000	1.026	1052.43	1367.0	516.1	70.4	0.984	0.966	1.000	0.068	0.966	0.001	0.006	0.34	0.07
47	14.500	1.029	1054.66	1366.6	517.0	70.4	0.968	0.951	1.000	0.109	0.951	0.001	0.003	0.05	0.05
48	15.000	1.029	1054.47	1367.0	517.0	70.3	0.968	0.949	1.000	0.102	0.949	0.001	0.002	0.12	0.07
49	15.500	1.027	1053.42	1365.2	515.9	70.3	0.968	0.952	1.001	0.097	0.952	0.001	0.003	0.16	0.06

TEST PART REX10-6 ALPHA WING VT ZT RUN SURVEY
TC-484 371 2.999 0.01 43 0.09 -14.14 5-501

DATE
2-3-77

AEDC PROPULSION WIND TUNNEL
TRANSONIC 41

POINT	XT	M	VM	PT	Q	TT	ML	VHL/VM	PTL/PT	CPL	UT/VM	VT/VM	MT/VM	AATL	SMTL
50	16.000	1.028	1053.77	1364.9	515.9	70.4	0.975	0.957	1.001	0.087	0.957	0.001	0.003	0.19	0.05
51	16.500	1.024	1054.64	1368.0	517.5	70.5	0.980	0.961	1.000	0.079	0.961	0.001	0.003	0.19	0.04
52	17.000	1.020	1053.92	1367.9	517.1	70.4	0.983	0.964	1.001	0.073	0.964	0.001	0.003	0.20	0.06
53	17.500	1.026	1052.68	1366.5	516.0	70.4	0.989	0.970	1.001	0.062	0.970	0.001	0.004	0.22	0.04
54	18.000	1.026	1052.39	1365.0	515.3	70.4	0.995	0.975	1.001	0.052	0.975	0.001	0.004	0.24	0.05
55	18.500	1.026	1052.43	1367.0	516.1	70.4	1.002	0.981	1.001	0.039	0.981	0.001	0.005	0.27	0.04
56	19.000	1.026	1052.87	1368.6	517.0	70.5	1.007	0.984	1.000	0.032	0.984	0.001	0.005	0.30	0.06
57	19.500	1.027	1053.01	1368.1	516.8	70.5	1.012	0.988	1.000	0.024	0.988	0.001	0.006	0.36	0.05
58	20.000	1.026	1052.07	1366.9	515.9	70.4	1.019	0.995	1.000	0.011	0.995	0.001	0.007	0.42	0.04
59	20.500	1.027	1053.03	1366.4	516.2	70.4	1.030	1.002	1.000	-0.005	1.002	0.001	0.009	0.50	0.05
60	21.000	1.028	1053.85	1366.8	516.7	70.4	1.039	1.009	1.000	-0.019	1.009	0.001	0.011	0.61	0.06
61	21.500	1.030	1055.55	1368.1	517.9	70.5	1.051	1.017	1.000	-0.034	1.017	0.001	0.013	0.73	0.04
62	22.000	1.028	1054.27	1367.4	517.1	70.5	1.061	1.027	1.000	-0.053	1.026	0.000	0.016	0.87	0.02
63	22.500	1.028	1054.45	1366.0	516.7	70.4	1.051	1.018	1.000	-0.036	1.018	0.001	0.014	0.80	0.04
64	23.000	1.027	1053.10	1367.3	516.5	70.4	1.000	0.978	1.000	0.043	0.978	0.000	0.008	0.47	0.02
65	23.500	1.025	1051.40	1366.4	515.4	70.4	0.984	0.967	1.001	0.067	0.967	0.000	0.005	0.32	0.01
66	24.000	1.026	1052.12	1366.6	515.8	70.4	0.983	0.965	1.000	0.071	0.965	0.000	0.006	0.34	0.00

TEST PART REX10-6 ALPHA WING YT ZT RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 IC-484 372 2.999 0.01 48 10.00 -10.00 5-502 2-3-77 TRANSONIC 41

POINT	XT	M	YM	PT	0	XT	ML	YHL/VH	PTL/PT	CPL	UT/VH	YT/VH	MT/VH	AATL	SMTL
2	-6.000	1.024	1050.91	1366.8	515.3	70.5	0.994	0.977	1.000	0.047	0.977	0.001	0.007	0.43	0.04
3	-5.500	1.023	1050.24	1366.5	514.9	70.5	0.994	0.976	1.001	0.050	0.976	0.001	0.000	0.03	0.03
4	-5.000	1.024	1050.96	1366.5	515.4	70.4	0.992	0.974	1.001	0.054	0.974	0.001	0.001	0.05	0.04
5	-4.500	1.025	1051.77	1366.7	515.7	70.4	0.995	0.976	1.001	0.050	0.976	0.001	0.001	0.04	0.04
6	-4.000	1.025	1051.54	1367.8	516.0	70.3	0.996	0.976	1.001	0.048	0.976	0.001	0.001	0.04	0.04
7	-3.500	1.024	1051.07	1367.1	515.5	70.4	0.995	0.976	1.001	0.049	0.976	0.000	0.000	0.03	0.02
8	-3.000	1.024	1050.56	1367.3	515.4	70.4	0.994	0.976	1.001	0.049	0.976	0.000	0.000	0.03	0.02
9	-2.500	1.025	1051.63	1367.2	515.8	70.4	0.993	0.974	1.001	0.053	0.974	0.000	0.000	0.00	0.03
10	-2.000	1.023	1050.18	1368.1	515.5	70.3	0.994	0.976	1.001	0.049	0.976	0.001	0.000	0.01	0.05
11	-1.500	1.023	1050.04	1366.3	514.8	70.2	0.999	0.972	1.001	0.057	0.972	0.001	-0.001	-0.05	0.08
12	-1.000	1.024	1051.02	1364.9	514.7	70.3	0.998	0.970	1.001	0.061	0.970	0.001	-0.001	-0.08	0.08
13	-0.500	1.025	1051.95	1365.7	515.4	70.4	0.996	0.968	1.000	0.066	0.968	0.002	-0.002	-0.12	0.13
14	0.000	1.025	1051.39	1367.9	515.9	70.4	0.994	0.967	1.000	0.066	0.967	0.002	-0.002	-0.14	0.15
15	0.500	1.024	1050.35	1367.1	515.2	70.4	0.992	0.964	1.001	0.070	0.966	0.003	-0.003	-0.20	0.20
16	1.000	1.024	1050.45	1366.9	515.2	70.4	0.992	0.966	1.001	0.069	0.966	0.004	-0.004	-0.21	0.22
17	1.500	1.024	1050.70	1366.9	515.1	70.4	0.992	0.966	1.000	0.069	0.966	0.004	-0.004	-0.26	0.24
18	2.000	1.025	1051.88	1366.9	515.8	70.4	0.995	0.967	1.000	0.067	0.967	0.005	-0.005	-0.31	0.28
19	2.500	1.024	1050.82	1367.8	515.6	70.5	0.996	0.960	1.001	0.062	0.969	0.006	-0.006	-0.34	0.34
20	3.000	1.024	1051.06	1367.1	515.5	70.5	0.997	0.970	1.001	0.062	0.970	0.006	-0.007	-0.42	0.36
21	3.500	1.024	1050.76	1366.9	515.3	70.4	0.999	0.971	1.001	0.058	0.971	0.007	-0.008	-0.46	0.40
22	4.000	1.025	1051.77	1366.9	515.8	70.4	0.990	0.972	1.001	0.058	0.972	0.007	-0.009	-0.50	0.42
23	4.500	1.026	1052.18	1367.1	516.0	70.4	0.993	0.973	1.001	0.055	0.973	0.008	-0.009	-0.53	0.46
24	5.000	1.025	1051.53	1367.6	515.9	70.4	0.992	0.973	1.001	0.055	0.973	0.008	-0.009	-0.54	0.48
25	5.500	1.025	1051.83	1367.2	515.8	70.5	0.993	0.974	1.001	0.052	0.974	0.007	-0.009	-0.53	0.47
26	6.000	1.025	1051.53	1367.4	515.8	70.5	0.993	0.977	1.001	0.047	0.977	0.007	-0.009	-0.52	0.44
27	6.500	1.025	1052.03	1367.2	516.0	70.5	0.992	0.977	1.001	0.041	0.980	0.007	-0.009	-0.51	0.40
28	7.000	1.027	1053.32	1368.1	516.1	70.5	1.002	0.985	1.001	0.031	0.985	0.006	-0.009	-0.51	0.37
29	7.500	1.025	1051.98	1367.7	516.1	70.5	1.007	0.990	1.001	0.020	0.990	0.005	-0.008	-0.48	0.31
30	8.000	1.026	1052.29	1367.3	516.1	70.5	1.014	0.990	1.001	0.020	0.990	0.005	-0.008	-0.48	0.31
31	8.500	1.024	1051.21	1366.6	515.3	70.5	1.021	0.995	1.001	0.011	0.994	0.005	-0.007	-0.43	0.30
32	9.000	1.027	1053.11	1367.7	516.6	70.5	1.021	0.995	1.001	0.010	0.995	0.005	-0.007	-0.41	0.26
33	9.500	1.025	1051.45	1365.9	515.2	70.4	1.023	0.999	1.001	0.004	0.999	0.004	-0.006	-0.35	0.21
34	10.000	1.025	1051.40	1366.0	515.3	70.4	1.027	1.002	1.001	-0.002	1.002	0.002	-0.004	-0.25	0.14
35	10.500	1.027	1053.15	1367.4	516.6	70.5	1.032	1.005	1.000	-0.008	1.005	0.002	-0.004	-0.20	0.11
36	11.000	1.026	1052.91	1367.7	516.6	70.5	1.036	1.008	1.001	-0.014	1.008	0.001	-0.004	-0.09	0.05
37	11.500	1.027	1053.32	1367.9	516.7	70.4	1.042	1.012	1.001	-0.023	1.012	-0.001	-0.001	-0.03	-0.04
38	12.000	1.027	1053.61	1367.1	516.7	70.4	1.047	1.016	1.000	-0.032	1.016	-0.002	0.001	0.06	-0.12
39	12.500	1.027	1053.13	1366.2	516.1	70.5	1.054	1.022	1.001	-0.042	1.022	-0.003	0.002	0.12	-0.15
40	13.000	1.027	1053.46	1367.6	516.8	70.5	1.060	1.026	1.001	-0.051	1.026	-0.004	0.004	0.21	-0.25
41	13.500	1.026	1052.58	1366.7	516.1	70.4	1.045	1.015	1.001	-0.030	1.015	-0.004	0.003	0.18	-0.20
42	14.000	1.027	1053.43	1366.0	516.2	70.5	0.986	0.967	1.001	0.067	0.967	0.001	-0.002	-0.14	0.07
43	14.500	1.028	1054.04	1368.0	517.2	70.5	0.974	0.956	1.000	0.088	0.956	0.003	-0.004	-0.24	0.20
44	15.000	1.028	1054.32	1367.3	517.1	70.4	0.968	0.951	1.001	0.099	0.951	0.004	-0.005	-0.31	0.23
45	15.500	1.027	1053.24	1366.2	516.2	70.4	0.969	0.953	1.001	0.096	0.953	0.003	-0.004	-0.27	0.20

TEST PANT PEX10-6 ALPHA WING YT 2T RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 372 2.99 0.01 41 10.00 -10.00 5-502 2-3-77 TRANSONIC 45

POINT	XT	P	VM	PT	O	TT	ML	VNL/VM	PTL/ST	CPL	UT/VM	VT/VM	WT/VM	AATL	SMTL
46	16.000	1.027	1053.35	1366.8	516.5	70.4	0.973	0.956	1.001	0.089	0.956	0.003	-0.004	-0.25	0.16
47	16.500	1.028	1054.03	1367.7	517.1	70.4	0.979	0.960	1.000	0.081	0.960	0.002	-0.004	-0.22	0.14
48	17.000	1.028	1053.85	1366.6	516.6	70.5	0.984	0.964	1.001	0.073	0.964	0.002	-0.003	-0.16	0.10
49	17.500	1.027	1053.10	1367.3	516.5	70.4	0.992	0.971	1.000	0.057	0.971	0.001	-0.002	-0.13	0.07
50	18.000	1.027	1053.20	1367.1	516.5	70.4	1.000	0.978	1.000	0.045	0.978	0.001	-0.001	-0.08	0.06
51	18.500	1.028	1054.17	1367.2	517.0	70.4	1.007	0.983	1.001	0.035	0.983	0.001	-0.001	-0.04	0.03
52	19.000	1.026	1052.51	1366.0	515.8	70.4	1.029	0.993	1.001	0.015	0.993	0.000	0.001	0.04	0.02
53	19.500	1.026	1054.67	1366.8	517.1	70.4	1.029	1.000	1.001	-0.000	1.000	-0.000	0.002	0.12	-0.02
54	20.000	1.028	1054.19	1366.1	516.5	70.5	1.040	1.009	1.001	-0.017	1.009	-0.001	0.004	0.20	-0.06
55	20.500	1.027	1053.49	1366.7	516.5	70.4	1.048	1.016	1.000	-0.032	1.016	-0.002	0.006	0.32	-0.10
56	21.000	1.028	1054.12	1367.5	517.1	70.4	1.056	1.024	1.000	-0.047	1.023	-0.002	0.007	0.41	-0.14
57	21.500	1.027	1053.25	1367.4	516.6	70.5	1.063	1.028	1.001	-0.057	1.029	-0.004	0.009	0.51	-0.22
58	22.000	1.027	1052.99	1366.7	516.3	70.4	1.022	0.996	1.000	0.007	0.996	-0.001	0.004	0.21	-0.07
59	22.500	1.029	1054.69	1368.0	517.5	70.4	0.996	0.974	1.000	0.053	0.974	0.001	-0.000	-0.02	0.04
60	23.000	1.027	1052.93	1366.6	516.2	70.4	0.997	0.976	1.001	0.050	0.976	0.001	-0.002	-0.11	0.04
61	23.500	1.026	1052.42	1366.4	515.9	70.4	0.996	0.975	1.001	0.050	0.975	-0.000	-0.001	-0.08	-0.01
62	24.000	1.026	1052.77	1366.5	515.8	70.5	0.987	0.969	1.001	0.064	0.969	-0.001	-0.001	-0.05	-0.07

TEST PART REX10-6 ALPHA 0.01 WING 48 14.14 0.00 RUN SURVEY
TC-484 373 2.995

DATE
2-3-77

AEDC PROPULSION WIND TUNNEL
TRANSONIC 91

POINT	KT	M	V4	PT	Q	IT	WL	YML/VH	PFL/PT	CP/L	UT/VH	VT/VH	WT/VH	AP/L	SM/L
2	-6.000	1.021	1048.29	1365.7	513.7	70.4	0.995	0.979	1.001	0.045	0.979	0.001	0.001	0.05	0.03
3	-5.500	1.022	1049.09	1367.0	514.6	70.4	0.993	0.976	1.000	0.048	0.976	-0.001	0.003	0.15	-0.04
4	-5.000	1.023	1049.46	1367.9	515.1	70.4	0.993	0.976	1.001	0.049	0.976	-0.000	0.002	0.13	-0.03
5	-4.500	1.022	1048.67	1366.6	514.3	70.3	0.990	0.974	1.001	0.053	0.974	-0.000	0.002	0.14	-0.02
6	-4.000	1.022	1048.87	1366.1	513.6	70.3	0.991	0.975	1.001	0.053	0.975	-0.000	0.002	0.14	-0.00
7	-3.500	1.025	1051.45	1366.3	515.3	70.5	0.993	0.974	1.000	0.053	0.974	-0.000	0.003	0.15	-0.03
8	-3.000	1.024	1050.78	1366.3	515.8	70.5	0.993	0.975	1.001	0.051	0.975	-0.000	0.002	0.14	-0.01
9	-2.500	1.024	1051.17	1367.5	515.7	70.5	0.993	0.974	1.001	0.054	0.974	-0.000	0.002	0.14	-0.02
10	-2.000	1.024	1050.88	1365.6	514.9	70.4	0.991	0.973	1.001	0.056	0.973	-0.000	0.002	0.14	-0.01
11	-1.500	1.023	1050.18	1366.0	514.7	70.4	0.990	0.973	1.001	0.056	0.973	0.000	0.002	0.14	0.02
12	-1.000	1.024	1050.67	1367.5	515.5	70.4	0.998	0.970	1.001	0.050	0.970	0.001	0.002	0.12	0.07
13	-0.500	1.023	1050.20	1367.0	515.1	70.4	0.985	0.968	1.001	0.055	0.968	0.002	0.002	0.13	0.12
14	0.000	1.025	1051.66	1366.1	515.4	70.4	0.982	0.965	1.001	0.072	0.965	0.003	0.002	0.13	0.18
15	0.500	1.024	1050.75	1366.7	515.2	70.4	0.982	0.966	1.001	0.069	0.966	0.004	0.002	0.13	0.25
16	1.000	1.024	1050.77	1367.7	515.6	70.5	0.984	0.967	1.001	0.067	0.967	0.005	0.002	0.13	0.30
17	1.500	1.025	1051.35	1366.2	516.1	70.3	0.985	0.967	1.001	0.066	0.967	0.006	0.002	0.12	0.33
18	2.000	1.023	1050.20	1366.8	515.0	70.4	0.982	0.967	1.001	0.068	0.966	0.007	0.002	0.11	0.41
19	2.500	1.024	1050.83	1365.7	514.9	70.5	0.985	0.969	1.001	0.065	0.968	0.008	0.002	0.12	0.46
20	3.000	1.025	1052.11	1368.7	516.5	70.6	0.987	0.969	1.000	0.063	0.969	0.009	0.002	0.11	0.51
21	3.500	1.025	1051.39	1367.9	515.9	70.5	0.986	0.968	1.001	0.064	0.968	0.009	0.002	0.12	0.55
22	4.000	1.025	1051.28	1367.7	515.8	70.5	0.987	0.969	1.001	0.063	0.969	0.010	0.002	0.11	0.57
23	4.500	1.025	1051.95	1365.7	515.4	70.4	0.989	0.970	1.002	0.062	0.970	0.010	0.002	0.09	0.60
24	5.000	1.025	1051.98	1366.9	515.8	70.5	0.991	0.972	1.001	0.056	0.972	0.010	0.002	0.10	0.60
25	5.500	1.026	1052.14	1367.6	516.3	70.5	0.992	0.972	1.001	0.056	0.972	0.010	0.002	0.10	0.59
26	6.000	1.026	1052.19	1367.7	516.2	70.5	0.993	0.974	1.001	0.054	0.974	0.010	0.001	0.08	0.59
27	6.500	1.026	1052.29	1367.3	516.1	70.5	0.996	0.976	1.000	0.049	0.976	0.010	0.002	0.09	0.58
28	7.000	1.026	1052.37	1366.3	515.7	70.4	0.999	0.978	1.001	0.046	0.978	0.009	0.001	0.07	0.54
29	7.500	1.026	1052.38	1366.7	516.0	70.4	1.001	0.980	1.001	0.041	0.980	0.008	0.002	0.11	0.48
30	8.000	1.028	1053.86	1367.2	516.8	70.5	1.007	0.983	1.001	0.035	0.983	0.008	0.002	0.09	0.44
31	8.500	1.027	1053.66	1367.6	516.8	70.6	1.013	0.988	1.001	0.025	0.988	0.007	0.001	0.08	0.40
32	9.000	1.027	1053.57	1368.0	516.9	70.6	1.019	0.994	1.001	0.014	0.994	0.006	0.001	0.08	0.33
33	9.500	1.027	1053.14	1366.6	516.2	70.5	1.032	0.996	1.001	0.009	0.996	0.005	0.001	0.05	0.28
34	10.000	1.027	1053.56	1367.6	516.8	70.5	1.039	1.002	1.000	-0.003	1.002	0.003	0.001	0.07	0.19
35	10.500	1.026	1052.81	1367.9	516.6	70.4	1.034	1.006	1.000	-0.012	1.006	0.002	0.001	0.05	0.13
36	11.000	1.028	1053.71	1367.3	516.8	70.4	1.039	1.009	1.000	-0.018	1.009	0.000	0.000	0.03	0.02
37	11.500	1.027	1053.45	1366.8	516.6	70.5	1.045	1.014	1.001	-0.027	1.014	-0.001	0.001	0.03	-0.08
38	12.000	1.027	1053.20	1367.3	516.5	70.5	1.050	1.018	1.001	-0.036	1.018	-0.003	0.001	0.03	-0.19
39	12.500	1.028	1054.49	1368.0	517.4	70.5	1.059	1.017	1.000	-0.033	1.017	-0.005	0.001	0.03	-0.30
40	13.000	1.028	1053.70	1366.7	516.6	70.4	1.056	1.023	1.001	-0.043	1.023	-0.007	0.001	0.04	-0.42
41	13.500	1.027	1053.49	1366.3	516.3	70.5	1.050	1.019	1.001	-0.036	1.019	-0.008	0.001	0.05	-0.42
42	14.000	1.028	1054.28	1368.0	517.3	70.5	0.994	0.972	1.000	0.055	0.972	0.001	0.001	0.07	0.03
43	14.500	1.028	1054.57	1367.0	517.1	70.5	0.972	0.954	1.001	0.093	0.954	0.004	0.002	0.09	0.22
44	15.000	1.027	1053.27	1365.7	516.0	70.5	0.948	0.952	1.001	0.097	0.952	0.004	0.002	0.09	0.24
45	15.500	1.029	1054.84	1367.7	517.4	70.5	0.971	0.953	1.000	0.095	0.953	0.004	0.001	0.09	0.23

TEST PART REX10-6 ALPHA 0.01 WING 48 YR 14.14 ZT 0.00 RUN SURVEY 5-503 DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 47

POINT	XT	M	VM	PT	Q	TT	ML	VHL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SMTL
46	16.000	1.028	1054.53	1367.5	517.3	70.4	0.974	0.956	1.001	0.009	0.956	0.003	0.002	0.09	0.21
47	16.500	1.028	1054.11	1364.7	516.8	70.4	0.980	0.961	1.001	0.079	0.961	0.003	0.002	0.11	0.17
48	17.000	1.027	1053.34	1365.9	516.1	70.4	0.988	0.968	1.001	0.045	0.968	0.003	0.001	0.09	0.15
49	17.500	1.029	1055.04	1367.5	517.5	70.5	1.002	0.978	1.001	0.045	0.978	0.001	0.002	0.09	0.05
50	18.000	1.027	1053.52	1368.1	517.0	70.5	1.010	0.986	1.000	0.028	0.966	0.000	0.001	0.07	0.01
51	18.500	1.026	1052.75	1367.4	516.4	70.5	1.021	0.996	1.001	0.009	0.996	-0.002	0.001	0.07	-0.11
52	19.000	1.026	1052.52	1366.0	515.8	70.4	1.033	1.006	1.001	-0.010	1.006	-0.004	0.001	0.06	-0.23
53	19.500	1.028	1053.90	1366.5	516.6	70.5	1.037	1.015	1.000	-0.031	1.015	-0.007	0.001	0.08	-0.38
54	20.000	1.028	1054.58	1367.6	517.3	70.5	1.058	1.024	1.000	-0.047	1.024	-0.010	0.001	0.08	-0.54
55	20.500	1.026	1052.31	1368.3	516.5	70.4	1.066	1.032	1.000	-0.063	1.032	-0.012	0.001	0.07	-0.65
56	21.000	1.024	1050.85	1366.3	515.1	70.4	1.033	1.007	1.001	-0.014	1.007	-0.007	0.001	0.07	-0.39
57	21.500	1.026	1052.18	1366.7	515.9	70.4	1.004	0.982	1.000	0.036	0.982	-0.002	0.002	0.10	-0.10
58	22.000	1.028	1053.76	1367.2	516.8	70.4	1.004	0.981	1.000	0.039	0.981	-0.000	0.002	0.09	-0.03
59	22.500	1.025	1052.02	1366.8	515.8	70.5	1.000	0.979	1.001	0.043	0.979	-0.002	0.002	0.11	-0.10
60	23.000	1.026	1052.59	1367.1	516.2	70.5	0.992	0.972	1.000	0.056	0.972	-0.002	0.002	0.11	-0.15
61	23.500	1.028	1054.18	1368.0	517.3	70.5	0.988	0.967	1.000	0.066	0.967	-0.003	0.002	0.10	-0.19
62	24.000	1.026	1052.74	1367.0	516.2	70.5	0.984	0.965	1.001	0.071	0.965	-0.004	0.002	0.10	-0.23

TEST PART		REX10-6	ALFA	WING	YT.	2T	RUN SURVEY		DATE	AEDC PROPULSION WIND TUNNEL					
TC-484		374	2.999	0.01	48	-10.00	-10.00	5-504	2-3-77	TRANSONIC 43					
POINT	XT	N	YM	PT	0	TT	HL	YHL/VH	PTL/PT	CD1	UT/VH	VT/VH	WT/VH	AA1L	SM1L
6	-6.000	1.024	1050.74	1366.9	515.3	70.4	0.994	0.976	1.001	0.050	0.976	-0.000	0.003	0.15	-0.03
7	-4.000	1.026	1052.68	1366.3	516.0	70.3	0.997	0.976	1.001	0.048	0.976	0.001	0.005	0.30	0.06
8	-2.000	1.025	1051.52	1366.8	515.7	70.3	0.994	0.975	1.001	0.052	0.975	0.000	0.005	0.29	0.00
9	0.000	1.023	1049.37	1366.2	514.4	70.3	0.983	0.968	1.001	0.065	0.968	-0.002	0.002	0.13	-0.09
10	2.000	1.023	1050.15	1366.6	514.2	70.3	0.984	0.968	1.001	0.065	0.968	-0.004	-0.001	-0.05	-0.24
11	4.000	1.024	1050.99	1366.0	515.1	70.4	0.987	0.970	1.001	0.061	0.970	-0.006	-0.004	-0.21	-0.38
12	6.000	1.023	1049.92	1368.0	515.3	70.4	0.984	0.976	1.000	0.048	0.976	-0.006	-0.003	-0.27	-0.37
13	8.000	1.024	1050.92	1367.6	515.6	70.4	1.012	0.990	1.001	0.021	0.990	-0.005	-0.004	-0.24	-0.29
14	10.000	1.023	1049.46	1365.8	514.3	70.4	1.023	1.000	1.001	0.001	1.000	-0.002	-0.001	-0.05	-0.10
15	12.000	1.025	1051.77	1366.9	515.7	70.5	1.044	1.015	1.000	-0.030	1.015	0.004	0.005	0.27	0.20
16	14.000	1.026	1052.75	1367.8	516.5	70.5	0.982	0.964	1.000	0.072	0.964	-0.000	0.001	0.08	-0.00
17	16.000	1.028	1053.90	1366.5	516.6	70.4	0.973	0.955	1.001	0.090	0.955	-0.002	-0.000	-0.02	-0.11
19	18.000	1.027	1053.54	1366.4	516.4	70.4	0.998	0.976	1.000	0.048	0.976	0.000	0.002	0.13	0.01
21	20.000	1.026	1052.55	1368.0	516.5	70.4	1.045	1.015	1.000	-0.030	1.015	0.002	0.009	0.45	0.11
22	22.000	1.028	1054.08	1365.5	516.3	70.4	1.015	0.989	1.000	0.022	0.989	0.001	0.005	0.30	0.04
23	24.000	1.029	1054.71	1366.3	516.9	70.4	0.992	0.970	1.001	0.060	0.970	0.000	0.003	0.18	0.03

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 253 2.998 2.00 48 0.00 -5.00 4-201 20-3-71 TRANSONIC 4T

POINT	X	M	VP	PT	Q	TY	ML	VNL/VN	PTL/PT	CPL	UL/VN	VL/VN	ML/VN	AAL	SWL
9	9.000	1.021	1059.42	1404.1	528.3	81.4	1.092	1.056	1.000	-0.113	1.056	0.001	0.038	2.07	0.06
10	9.666	1.021	1059.32	1404.1	528.2	81.4	1.108	1.069	1.000	-0.138	1.068	0.001	0.045	2.39	0.07
11	10.333	1.022	1059.63	1404.3	528.5	81.4	1.100	1.062	1.000	-0.123	1.061	0.002	0.045	2.42	0.09
12	11.000	1.022	1060.17	1403.8	528.5	81.4	1.074	1.041	1.000	-0.082	1.040	0.002	0.040	2.20	0.09
13	11.666	1.023	1060.75	1403.0	528.5	81.4	0.977	0.962	1.000	0.076	0.962	0.001	0.024	1.44	0.06
14	12.333	1.025	1062.07	1403.8	529.4	81.4	0.965	0.951	1.000	0.099	0.951	0.001	0.020	1.18	0.07
15	13.000	1.026	1063.15	1405.5	530.6	81.4	0.945	0.933	1.001	0.134	0.933	0.001	0.017	1.06	0.08
16	13.666	1.025	1062.37	1404.2	529.6	81.6	0.944	0.934	1.001	0.134	0.933	0.001	0.017	1.03	0.09
17	14.333	1.026	1063.22	1403.9	530.0	81.4	0.960	0.946	1.001	0.109	0.946	0.001	0.017	1.00	0.09
18	15.000	1.027	1064.29	1405.2	531.0	81.4	0.967	0.950	1.001	0.100	0.950	0.001	0.017	1.02	0.08
19	15.666	1.026	1063.45	1403.45	529.8	81.4	0.971	0.955	1.001	0.091	0.955	0.002	0.019	1.11	0.09
20	16.333	1.027	1064.23	1402.0	529.8	81.4	0.981	0.963	1.001	0.076	0.962	0.001	0.021	1.24	0.08
21	17.000	1.028	1065.02	1404.3	531.0	81.5	0.999	0.976	1.000	0.048	0.976	0.002	0.025	1.47	0.12
22	17.666	1.029	1065.54	1405.3	531.6	81.4	1.015	0.989	1.001	0.024	0.988	0.001	0.030	1.73	0.08
23	18.333	1.028	1064.83	1404.9	531.1	81.6	1.041	1.011	1.001	-0.024	1.010	0.002	0.036	2.04	0.09
24	19.000	1.028	1065.20	1402.9	530.6	81.4	1.073	1.035	1.000	-0.070	1.034	0.002	0.043	2.39	0.10

TEST PART NEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 261 2.994 2.00 4% 0.00 -4.00 4-209 2-3-77 TRANSONIC 4T

POINT	X	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SVL
2	9.000	1.021	1059.39	1402.7	527.7	81.5	1.099	1.061	1.001	-0.120	1.060	-0.003	0.042	2.25	-0.16
3	9.333	1.024	1061.40	1405.6	529.8	81.4	1.113	1.071	0.999	-0.142	1.070	0.003	0.042	2.26	0.16
4	9.666	1.023	1060.69	1404.8	529.2	81.3	1.100	1.061	0.999	-0.123	1.060	0.003	0.042	2.27	0.15
5	10.000	1.023	1060.90	1403.1	528.6	81.5	1.104	1.064	1.000	-0.127	1.063	0.003	0.043	2.32	0.16
6	10.333	1.025	1062.83	1404.3	530.0	81.4	1.090	1.051	0.999	-0.104	1.050	0.003	0.042	2.28	0.14
7	10.666	1.024	1061.59	1404.8	529.6	81.4	1.077	1.042	1.000	-0.084	1.041	0.003	0.040	2.19	0.16
8	11.000	1.024	1061.52	1403.9	529.2	81.4	1.034	1.008	1.001	-0.015	1.007	0.003	0.031	1.78	0.17
10	11.333	1.024	1061.21	1403.5	529.0	81.2	0.966	0.969	1.001	0.063	0.969	0.003	0.023	1.36	0.15
11	11.666	1.024	1061.60	1402.9	528.9	81.3	0.969	0.955	1.000	0.091	0.955	0.002	0.019	1.16	0.14
12	12.000	1.025	1062.04	1402.4	528.9	81.4	0.962	0.949	1.001	0.104	0.948	0.002	0.017	1.02	0.14
13	12.333	1.026	1063.12	1404.1	530.0	81.5	0.961	0.947	1.001	0.107	0.947	0.003	0.016	0.95	0.16
14	12.666	1.025	1062.19	1404.8	529.9	81.4	0.944	0.934	1.001	0.134	0.934	0.003	0.014	0.88	0.17
15	13.000	1.024	1061.78	1404.4	529.5	81.5	0.942	0.932	1.001	0.136	0.933	0.003	0.014	0.84	0.16
16	13.333	1.026	1063.21	1403.3	529.8	81.4	0.943	0.932	1.001	0.138	0.932	0.003	0.013	0.82	0.16
17	13.666	1.025	1062.14	1404.9	529.8	81.5	0.945	0.934	1.001	0.133	0.934	0.003	0.013	0.82	0.17
18	14.000	1.026	1063.44	1405.1	530.6	81.4	0.960	0.946	1.001	0.109	0.946	0.003	0.013	0.80	0.17
19	14.333	1.026	1062.96	1403.6	529.8	81.4	0.959	0.946	1.001	0.110	0.946	0.003	0.014	0.83	0.16
20	14.666	1.026	1062.96	1403.6	529.8	81.5	0.964	0.949	1.001	0.103	0.949	0.002	0.014	0.83	0.15
21	15.000	1.027	1064.07	1404.0	530.4	81.4	0.967	0.951	1.001	0.100	0.951	0.003	0.014	0.87	0.16
22	15.333	1.028	1064.72	1403.9	530.7	81.5	0.971	0.956	1.001	0.093	0.956	0.003	0.015	0.90	0.19
23	15.666	1.028	1064.92	1404.3	530.9	81.6	0.979	0.960	1.001	0.081	0.960	0.003	0.016	0.96	0.19
24	16.000	1.027	1064.38	1404.6	530.7	81.7	0.982	0.964	1.001	0.074	0.964	0.003	0.016	1.04	0.19
25	16.333	1.027	1063.98	1404.6	530.6	81.4	0.999	0.970	1.001	0.062	0.969	0.003	0.020	1.18	0.16
26	16.666	1.027	1064.42	1403.7	530.5	81.3	0.996	0.974	1.001	0.053	0.974	0.003	0.022	1.27	0.16
27	17.000	1.027	1064.48	1401.9	529.6	81.4	1.004	0.981	1.001	0.041	0.980	0.003	0.025	1.43	0.18
28	17.333	1.028	1065.25	1402.8	530.5	81.4	1.015	0.989	1.001	0.023	0.989	0.003	0.028	1.62	0.17
29	17.666	1.028	1065.01	1403.7	530.3	81.3	1.029	1.001	1.001	-0.000	1.000	0.003	0.031	1.80	0.16
31	18.000	1.028	1065.03	1404.5	531.1	81.3	1.046	1.015	1.001	-0.028	1.014	0.004	0.035	1.99	0.20
32	18.333	1.029	1065.19	1402.5	530.7	81.7	1.078	1.026	1.001	-0.051	1.026	0.003	0.038	2.13	0.17
33	18.666	1.029	1066.26	1405.2	531.4	81.7	1.078	1.038	1.000	-0.077	1.038	0.003	0.042	2.30	0.16
34	19.000	1.029	1066.35	1406.1	532.2	81.7	1.071	1.034	1.000	-0.067	1.033	0.004	0.041	2.33	0.21

TEST PART PEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-444 262 2.996 2.00 46 0.00 -3.00 4-210 2-3-77 TRANSONIC 41

POINT	X	Y	Z	Q	PT	VL	VL/VH	PT/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
1	9.000	1.022	1059.93	528.6	1405.7	1.100	1.063	0.998	-0.127	1.062	0.002	0.033	1.00	0.12
2	9.333	1.023	1060.40	529.3	1405.6	1.120	1.077	1.000	-0.152	1.076	0.003	0.038	2.04	0.15
3	9.666	1.023	1060.96	529.1	1405.6	1.107	1.067	1.000	-0.133	1.066	0.003	0.038	2.03	0.17
4	10.000	1.024	1061.77	529.4	1405.6	1.092	1.053	0.999	-0.108	1.053	0.003	0.035	1.91	0.16
5	10.333	1.024	1061.78	528.7	1402.1	1.074	1.039	1.000	-0.079	1.039	0.003	0.033	1.92	0.18
6	10.666	1.026	1063.59	530.6	1405.0	1.044	1.014	1.000	-0.028	1.013	0.003	0.028	1.58	0.17
7	11.000	1.025	1062.20	530.1	1405.6	0.996	0.977	1.000	0.046	0.976	0.003	0.021	1.24	0.16
8	11.333	1.025	1062.25	529.2	1403.2	0.975	0.959	1.001	0.003	0.959	0.003	0.018	1.05	0.16
9	11.666	1.025	1062.37	529.6	1403.8	0.968	0.954	1.001	0.003	0.954	0.003	0.014	0.93	0.17
10	12.000	1.024	1061.81	529.3	1403.7	0.962	0.949	1.001	0.104	0.949	0.003	0.012	0.72	0.17
11	12.333	1.024	1061.43	529.5	1404.5	0.944	0.934	1.001	0.134	0.934	0.003	0.011	0.65	0.17
12	12.666	1.025	1062.19	528.9	1402.5	0.943	0.933	1.001	0.136	0.932	0.003	0.009	0.58	0.17
13	13.000	1.025	1062.86	529.6	1403.4	0.943	0.932	1.001	0.137	0.932	0.003	0.009	0.55	0.17
14	13.333	1.025	1062.84	530.3	1405.3	0.958	0.945	1.001	0.112	0.945	0.003	0.008	0.51	0.17
15	13.666	1.026	1063.76	530.8	1405.9	0.959	0.945	1.001	0.111	0.945	0.003	0.009	0.52	0.16
16	14.000	1.025	1062.55	529.3	1403.0	0.945	0.934	1.001	0.134	0.934	0.003	0.009	0.54	0.16
17	14.333	1.026	1063.39	529.6	1402.5	0.963	0.948	1.001	0.106	0.948	0.003	0.009	0.56	0.17
18	14.666	1.027	1063.79	530.8	1405.2	0.967	0.952	1.000	0.097	0.952	0.003	0.010	0.59	0.20
19	15.000	1.026	1062.92	529.9	1403.9	0.970	0.955	1.001	0.092	0.955	0.004	0.010	0.60	0.22
20	15.333	1.027	1064.38	530.7	1404.2	0.974	0.957	1.001	0.087	0.957	0.003	0.011	0.60	0.21
21	15.666	1.026	1063.41	529.9	1403.1	0.982	0.964	1.001	0.075	0.963	0.004	0.013	0.78	0.22
22	16.000	1.027	1063.80	529.9	1402.7	0.986	0.969	1.001	0.064	0.968	0.003	0.015	0.86	0.19
23	16.333	1.028	1065.00	530.5	1403.1	0.997	0.975	1.001	0.052	0.975	0.004	0.017	0.99	0.21
24	16.666	1.029	1065.72	531.3	1404.1	1.007	0.982	1.001	0.036	0.982	0.003	0.019	1.11	0.20
25	17.000	1.029	1065.47	531.2	1404.2	1.035	0.989	1.001	0.024	0.988	0.003	0.022	1.30	0.20
26	17.333	1.028	1065.11	530.7	1403.7	1.025	0.997	1.001	0.007	0.997	0.004	0.025	1.44	0.20
27	17.666	1.029	1066.20	532.1	1405.6	1.043	1.011	1.000	-0.021	1.010	0.004	0.029	1.66	0.22
28	18.000	1.028	1064.79	530.2	1402.5	1.058	1.024	1.002	-0.046	1.024	0.004	0.033	1.84	0.22
29	18.333	1.030	1066.47	531.5	1403.9	1.069	1.031	1.000	-0.062	1.030	0.004	0.035	1.94	0.24
30	18.666	1.028	1064.96	530.6	1403.4	1.056	1.022	1.000	-0.044	1.022	0.005	0.032	1.81	0.26
31	19.000	1.030	1066.36	531.8	1404.8	1.015	0.988	1.000	-0.023	0.988	0.005	0.025	1.47	0.30

TEST	PART	REX10-6	ALPHA	WING	Y	Z	RUN SURVEY	DATE	AEDC PROPULSION WIND TUNNEL
IC-484	263	2.098	2.00	48	0.00	-2.00	4-211	2-3-77	AEDC TRANSONIC 45

-60-

POINT	X	M	VM	PT	Q	TT	ML	VL/VM	PTI/PT	CPZ	UL/VM	VL/VM	ML/VM	LAL	SUL
1	9.000	1.022	1000.32	1004.3	528.7	81.5	1.082	1.047	0.999	-0.095	1.047	0.002	0.012	0.69	0.12
2	9.333	1.022	1000.24	1004.9	528.9	81.6	1.073	1.040	0.999	-0.091	1.040	0.003	0.014	0.77	0.13
3	9.666	1.022	1000.15	1005.2	529.3	81.4	1.066	1.035	1.000	-0.089	1.035	0.003	0.015	0.81	0.17
4	10.000	1.023	1001.02	1004.1	529.0	81.4	1.061	1.030	0.999	-0.091	1.030	0.003	0.015	0.84	0.18
5	10.333	1.025	1002.72	1003.9	529.7	81.5	1.052	1.021	1.000	-0.092	1.021	0.003	0.013	0.82	0.15
6	10.666	1.025	1002.37	1004.0	529.5	81.7	1.035	1.008	1.000	-0.091	1.008	0.003	0.013	0.73	0.17
7	11.000	1.024	1002.04	1005.3	529.8	81.7	1.010	0.989	1.001	0.025	0.988	0.003	0.011	0.62	0.15
8	11.333	1.025	1003.59	1005.0	530.1	81.5	0.988	0.971	1.001	0.060	0.971	0.002	0.008	0.48	0.14
9	11.666	1.024	1001.67	1004.2	529.2	81.7	0.970	0.956	1.001	0.099	0.956	0.002	0.006	0.37	0.12
10	12.000	1.025	1002.53	1004.7	529.8	81.7	0.963	0.949	1.001	0.103	0.949	0.002	0.005	0.28	0.13
11	12.333	1.025	1002.94	1005.1	530.3	81.5	0.961	0.947	1.001	0.106	0.947	0.002	0.004	0.24	0.09
12	12.666	1.026	1003.04	1004.9	530.3	81.4	0.945	0.933	1.001	0.135	0.933	0.002	0.004	0.24	0.09
13	13.000	1.025	1003.28	1004.4	529.6	81.4	0.958	0.946	1.001	0.110	0.946	0.002	0.003	0.20	0.13
14	13.333	1.025	1003.18	1004.6	529.7	81.5	0.963	0.950	1.001	0.102	0.950	0.002	0.003	0.20	0.13
15	13.666	1.026	1002.87	1004.2	530.0	81.4	0.970	0.955	1.001	0.092	0.955	0.002	0.003	0.19	0.12
16	14.000	1.026	1003.33	1004.5	530.3	81.4	0.971	0.955	1.001	0.091	0.955	0.002	0.004	0.24	0.13
17	14.333	1.025	1003.73	1002.0	529.1	81.4	0.977	0.961	1.001	0.080	0.961	0.002	0.004	0.26	0.14
18	14.666	1.026	1003.02	1003.9	529.9	81.4	0.994	0.966	1.000	0.069	0.966	0.003	0.005	0.31	0.17
19	15.000	1.026	1003.38	1004.4	530.2	81.5	0.990	0.971	1.001	0.060	0.971	0.003	0.006	0.37	0.18
20	15.333	1.027	1004.57	1004.2	530.6	81.7	0.996	0.975	1.002	0.053	0.974	0.003	0.007	0.42	0.20
21	15.666	1.027	1003.62	1003.7	530.2	81.3	1.001	0.979	1.001	0.044	0.979	0.004	0.008	0.49	0.23
22	16.000	1.027	1003.71	1003.3	530.1	81.3	1.009	0.986	1.001	0.030	0.986	0.004	0.010	0.58	0.21
23	16.333	1.028	1004.91	1003.3	530.5	81.6	1.018	0.992	1.001	0.016	0.992	0.004	0.012	0.67	0.22
24	16.666	1.027	1004.52	1004.1	530.7	81.4	1.029	1.001	1.001	-0.000	1.001	0.004	0.014	0.79	0.23
25	17.000	1.027	1004.31	1003.3	530.3	81.4	1.040	1.010	1.001	-0.001	1.010	0.004	0.016	0.92	0.24
26	17.333	1.027	1004.33	1004.3	530.7	81.4	1.054	1.021	1.001	-0.041	1.021	0.004	0.018	1.01	0.24
27	17.666	1.028	1005.22	1004.1	530.9	81.6	1.065	1.030	1.001	-0.058	1.030	0.004	0.020	1.10	0.25
28	18.000	1.026	1003.68	1004.4	530.4	81.5	1.074	1.038	1.000	-0.075	1.038	0.005	0.021	1.15	0.27
29	18.333	1.028	1005.35	1005.9	531.7	81.6	1.071	1.034	1.000	-0.069	1.034	0.005	0.020	1.12	0.29
30	18.666	1.028	1004.99	1005.0	531.2	81.5	1.056	1.022	1.001	-0.044	1.022	0.006	0.017	1.07	0.33
31	19.000	1.026	1003.83	1004.7	530.5	81.6	1.038	1.009	1.001	-0.017	1.009	0.006	0.015	0.95	0.33

TEST PART REX10-6 ALPHA WING Y. 2 RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 TC-484 254 2.986 2.00 48 1.00 -5.00 4-202 2-3-77 TRANSONIC 41

POINT	X	M	YH	PT	Q	TT	HL	VPL/VH	FTL/PT	CPL	UL/VH	YL/VH	HL/VH	AAL	SVL
1	9.000	1.021	1059.77	1404.4	528.0	81.6	1.086	1.032	1.000	-0.104	1.052	0.002	0.036	1.98	0.08
2	9.666	1.022	1060.23	1404.3	528.7	81.5	1.108	1.068	1.000	-0.136	1.067	0.001	0.044	2.35	0.03
3	10.333	1.022	1059.77	1403.8	528.3	81.4	1.097	1.059	1.000	-0.119	1.059	0.001	0.044	2.37	0.04
4	11.000	1.023	1061.13	1404.3	529.2	81.4	1.074	1.041	1.000	-0.081	1.040	0.001	0.039	2.16	0.06
5	11.666	1.023	1060.68	1404.6	529.0	81.6	0.974	0.960	1.000	-0.080	0.960	0.003	0.023	1.39	0.18
6	12.333	1.027	1059.98	1404.6	528.7	81.4	0.945	0.936	1.000	0.129	0.936	0.003	0.019	1.14	0.21
7	13.000	1.024	1061.57	1403.8	529.2	81.4	0.943	0.933	1.001	0.135	0.933	0.004	0.017	1.02	0.22
8	13.666	1.023	1061.21	1403.5	528.9	81.5	0.943	0.934	1.001	0.134	0.934	0.004	0.016	0.97	0.22
9	14.333	1.025	1062.13	1404.3	529.6	81.4	0.944	0.934	1.001	0.133	0.934	0.003	0.016	0.97	0.20
10	15.000	1.024	1061.88	1404.6	529.6	81.4	0.964	0.950	1.001	0.100	0.950	0.003	0.016	0.96	0.21
11	15.666	1.025	1062.13	1404.7	529.8	81.4	0.973	0.957	1.001	0.087	0.957	0.003	0.018	1.05	0.20
12	16.333	1.025	1062.92	1404.3	530.0	81.5	0.982	0.965	1.001	0.071	0.965	0.003	0.020	1.18	0.17
13	17.000	1.027	1063.78	1404.6	530.5	81.4	0.997	0.976	1.001	0.049	0.976	0.003	0.024	1.40	0.18
14	17.666	1.027	1064.22	1404.1	530.6	81.3	1.013	0.998	1.001	0.025	0.998	0.003	0.029	1.67	0.15
15	18.333	1.028	1065.31	1403.7	530.9	81.5	1.042	1.031	1.001	-0.022	1.011	0.003	0.035	1.99	0.15
16	19.000	1.029	1066.27	1404.4	531.5	81.7	1.075	1.037	1.001	-0.072	1.036	0.004	0.043	2.37	0.21

TEST PART REX10-6 ALPHA WING Y Z RUN SUPVEY DATE AEDC PROPELLSION WIND TUNNEL
 TC-484 264 2.990 2.00 4% 1.00 -4.00 4-212 2-3-77 TRANSONIC 95

POINT	X	H	Y	PT	Q	TT	HL	VHL/VH	PIL/PI	CPL	UL/VH	VL/VH	ML/VH	AAL	SNL
1	9.000	1.021	1059.23	1404.5	528.3	91.4	1.117	1.076	1.000	-0.151	1.075	0.003	0.043	2.29	0.15
2	9.333	1.022	1059.67	1404.0	528.1	91.5	1.115	1.073	1.000	-0.146	1.073	0.003	0.044	2.33	0.14
3	9.666	1.022	1059.36	1403.6	528.1	91.3	1.100	1.062	0.999	-0.125	1.061	0.003	0.042	2.25	0.17
4	10.000	1.022	1059.72	1404.3	528.5	91.5	1.105	1.065	1.000	-0.132	1.065	0.003	0.043	2.32	0.14
5	10.333	1.022	1060.29	1404.8	528.9	91.5	1.091	1.055	0.999	-0.110	1.054	0.003	0.042	2.30	0.16
6	10.666	1.023	1061.04	1405.1	529.4	91.4	1.078	1.043	1.000	-0.087	1.043	0.003	0.039	2.17	0.18
7	11.000	1.024	1061.17	1403.8	529.0	91.4	1.037	1.011	1.000	-0.021	1.010	0.004	0.032	1.80	0.23
8	11.333	1.024	1061.44	1404.9	529.5	91.5	0.989	0.971	1.000	0.058	0.971	0.005	0.024	1.44	0.31
9	11.666	1.024	1061.48	1404.8	529.4	91.7	0.971	0.957	1.001	0.087	0.957	0.006	0.020	1.19	0.34
10	12.000	1.023	1061.72	1403.9	528.8	91.4	0.959	0.948	1.001	0.107	0.947	0.006	0.017	1.03	0.35
11	12.333	1.023	1060.66	1403.4	528.6	91.4	0.944	0.935	1.001	0.132	0.935	0.006	0.016	0.97	0.37
12	12.666	1.023	1060.50	1402.9	528.3	91.4	0.943	0.934	1.002	0.134	0.934	0.006	0.015	0.90	0.37
13	13.000	1.024	1061.76	1405.7	530.0	91.4	0.942	0.932	1.000	0.136	0.932	0.006	0.014	0.87	0.35
14	13.333	1.025	1062.33	1404.5	529.7	91.6	0.942	0.932	1.001	0.137	0.932	0.006	0.014	0.83	0.35
15	13.666	1.025	1062.26	1403.4	527.3	91.6	0.943	0.933	1.001	0.136	0.933	0.005	0.013	0.80	0.33
16	14.000	1.026	1063.37	1403.8	530.0	91.5	0.944	0.933	1.000	0.135	0.933	0.005	0.013	0.82	0.32
17	14.333	1.024	1062.17	1404.4	529.6	91.7	0.943	0.950	1.001	0.103	0.950	0.006	0.013	0.79	0.32
18	14.666	1.025	1062.79	1405.0	530.2	91.5	0.964	0.950	1.001	0.103	0.949	0.006	0.014	0.83	0.34
19	15.000	1.025	1062.79	1404.8	530.1	91.4	0.947	0.952	1.001	0.098	0.952	0.005	0.014	0.86	0.31
20	15.333	1.027	1063.72	1404.1	530.3	91.4	0.970	0.954	1.001	0.094	0.954	0.005	0.016	0.93	0.29
21	15.666	1.026	1063.18	1404.6	530.2	91.5	0.975	0.958	1.001	0.095	0.958	0.005	0.016	0.98	0.30
22	16.000	1.027	1063.71	1403.5	530.1	91.4	0.981	0.963	1.001	0.075	0.963	0.005	0.018	1.06	0.31
23	16.333	1.028	1065.02	1404.1	530.9	91.5	0.989	0.969	1.001	0.064	0.968	0.005	0.020	1.15	0.29
24	16.666	1.028	1065.28	1404.8	531.3	91.4	0.996	0.974	1.000	0.053	0.973	0.005	0.022	1.29	0.29
25	17.000	1.028	1063.52	1404.1	530.2	91.4	1.004	0.982	1.002	0.036	0.982	0.005	0.025	1.45	0.30
26	17.333	1.028	1064.77	1404.0	530.8	91.4	1.015	0.990	1.001	0.022	0.989	0.005	0.028	1.62	0.27
27	17.666	1.028	1064.82	1404.3	530.9	91.4	1.031	1.002	1.001	-0.004	1.002	0.005	0.031	1.79	0.28
28	18.000	1.028	1064.81	1403.7	530.4	91.5	1.046	1.014	1.001	-0.028	1.014	0.005	0.035	1.98	0.31
29	18.333	1.028	1064.65	1403.0	530.4	91.4	1.063	1.028	1.001	-0.056	1.028	0.006	0.039	2.18	0.32
30	18.666	1.029	1065.98	1405.2	531.8	91.5	1.082	1.042	1.000	-0.083	1.041	0.007	0.044	2.40	0.36
31	19.000	1.029	1065.78	1404.8	531.5	91.5	1.073	1.035	1.000	-0.069	1.034	0.007	0.041	2.39	0.37

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPUSSION WIND TUNNEL
TC-484 265 2.997 2.00 4% 1.00 -3.00 4-213 TRANSONIC 42

POINT	X	N	VM	PT	Q	TT	WL	VWL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
1	9.000	1.022	1059.72	1403.9	528.3	81.4	1.109	1.069	0.999	-0.138	1.068	0.007	0.037	1.99	0.36
2	9.333	1.021	1058.91	1403.3	527.8	81.3	1.111	1.071	0.999	-0.143	1.070	0.006	0.041	2.21	0.32
3	9.666	1.022	1059.51	1403.5	528.1	81.4	1.107	1.067	0.999	-0.136	1.066	0.006	0.041	2.20	0.34
4	10.000	1.023	1061.02	1403.9	528.9	81.5	1.095	1.057	1.000	-0.114	1.056	0.007	0.039	2.12	0.37
5	10.333	1.022	1059.78	1404.4	528.6	81.4	1.078	1.045	1.000	-0.090	1.044	0.007	0.037	2.03	0.41
6	10.666	1.022	1060.19	1405.0	528.9	81.6	1.044	1.018	1.000	-0.035	1.017	0.008	0.031	1.74	0.44
7	11.000	1.024	1061.48	1404.8	529.4	81.7	0.997	0.979	1.000	0.000	0.978	0.009	0.023	1.36	0.50
8	11.333	1.024	1061.70	1403.3	528.9	81.7	0.976	0.961	1.001	0.079	0.961	0.009	0.019	1.12	0.54
9	11.666	1.024	1061.47	1404.4	529.2	81.7	0.966	0.953	1.001	0.095	0.953	0.009	0.015	0.91	0.53
10	12.000	1.023	1061.00	1405.6	529.5	81.7	0.960	0.949	1.001	0.105	0.949	0.009	0.013	0.78	0.53
11	12.333	1.023	1060.74	1405.1	529.1	81.7	0.943	0.934	1.001	0.134	0.934	0.008	0.012	0.71	0.52
12	12.666	1.024	1061.20	1405.4	529.6	81.4	0.942	0.933	1.001	0.136	0.933	0.008	0.010	0.64	0.49
13	13.000	1.023	1061.20	1403.1	528.7	81.5	0.941	0.932	1.001	0.138	0.932	0.008	0.010	0.62	0.48
14	13.333	1.025	1062.51	1403.5	529.4	81.7	0.942	0.932	1.000	0.136	0.932	0.008	0.009	0.58	0.46
15	13.666	1.025	1062.64	1405.3	530.1	81.7	0.944	0.933	1.001	0.134	0.933	0.007	0.009	0.57	0.43
16	14.000	1.025	1062.98	1407.3	531.0	81.7	0.958	0.945	1.000	0.110	0.945	0.007	0.009	0.57	0.43
17	14.333	1.025	1062.19	1405.0	529.9	81.4	0.959	0.946	1.001	0.109	0.946	0.007	0.010	0.59	0.41
18	14.666	1.025	1062.98	1402.1	529.1	81.7	0.964	0.950	1.001	0.103	0.950	0.007	0.010	0.61	0.41
19	15.000	1.026	1062.97	1404.0	529.9	81.5	0.969	0.954	1.001	0.093	0.954	0.007	0.011	0.68	0.43
20	15.333	1.026	1063.45	1405.3	530.7	81.4	0.975	0.958	1.001	0.084	0.958	0.007	0.012	0.74	0.43
21	15.666	1.025	1062.44	1405.1	530.0	81.5	0.980	0.963	1.001	0.075	0.963	0.007	0.014	0.84	0.42
22	16.000	1.025	1062.60	1403.3	529.4	81.7	0.987	0.969	1.001	0.063	0.969	0.007	0.016	0.94	0.42
23	16.333	1.027	1064.43	1404.7	530.4	81.5	0.986	0.975	1.001	0.052	0.974	0.007	0.018	1.08	0.41
24	16.666	1.028	1063.20	1405.4	530.5	81.5	1.005	0.983	1.001	0.035	0.983	0.008	0.021	1.23	0.45
25	17.000	1.026	1063.62	1404.3	530.3	81.5	1.013	0.989	1.001	0.023	0.989	0.008	0.025	1.43	0.47
26	17.333	1.028	1065.18	1404.6	531.2	81.5	1.027	0.999	1.000	0.002	0.999	0.009	0.028	1.63	0.49
27	17.666	1.028	1064.83	1404.7	531.1	81.4	1.048	1.016	1.000	-0.032	1.016	0.009	0.033	1.87	0.53
28	18.000	1.027	1064.52	1404.5	530.8	81.5	1.066	1.031	1.001	-0.061	1.030	0.010	0.037	2.07	0.55
29	18.333	1.026	1063.16	1403.8	529.9	81.4	1.078	1.041	1.001	-0.081	1.040	0.011	0.041	2.24	0.62
30	18.666	1.028	1065.37	1404.2	531.1	81.5	1.064	1.028	1.000	-0.056	1.027	0.012	0.037	2.07	0.68
31	19.000	1.028	1065.01	1403.9	530.8	81.5	1.015	0.990	1.000	0.020	0.989	0.011	0.029	1.67	0.66

TEST PART PEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
XC-484 266 2.990 2.00 48 1.00 -2.00 4-214 2-3-77 TRANSONIC 97

POINT	X	M	YN	PT	Q	TY	ML	YML/YN	PTL/PT	CPL	UL/YN	VL/YN	WL/YN	ALL	RWL
1	9.000	1.021	1050.08	1404.4	528.1	81.4	1.090	1.061	1.001	-0.121	1.061	0.017	0.029	1.56	0.92
2	9.333	1.021	1059.12	1404.1	528.1	81.4	1.081	1.048	0.999	-0.097	1.048	0.017	0.029	1.58	0.95
3	9.666	1.022	1059.57	1403.6	528.3	81.2	1.070	1.038	1.000	-0.077	1.038	0.018	0.028	1.55	1.00
4	10.000	1.022	1060.33	1402.4	528.0	81.5	1.058	1.029	1.000	-0.057	1.028	0.018	0.028	1.55	0.98
5	10.333	1.024	1061.27	1403.8	529.0	81.4	1.046	1.018	1.000	-0.036	1.017	0.017	0.026	1.48	0.96
6	10.666	1.025	1062.67	1404.0	529.8	81.4	1.023	0.998	1.000	0.004	0.998	0.016	0.022	1.28	0.92
7	11.000	1.023	1060.78	1404.6	529.1	81.4	0.995	0.977	1.001	0.047	0.977	0.014	0.016	0.96	0.83
8	11.333	1.024	1061.82	1404.1	529.4	81.4	0.974	0.959	1.001	0.083	0.959	0.013	0.012	0.72	0.77
9	11.666	1.025	1062.03	1404.5	529.7	81.3	0.963	0.949	1.001	0.102	0.949	0.011	0.008	0.51	0.69
10	12.000	1.025	1062.24	1404.9	529.9	81.5	0.943	0.932	1.001	0.136	0.932	0.011	0.007	0.41	0.65
11	12.333	1.024	1062.33	1405.1	528.8	81.9	0.942	0.932	1.001	0.136	0.932	0.009	0.005	0.32	0.57
12	12.666	1.025	1062.20	1405.6	530.2	81.4	0.942	0.932	1.001	0.137	0.932	0.008	0.004	0.23	0.52
13	13.000	1.024	1061.62	1403.9	529.3	81.5	0.942	0.932	1.001	0.138	0.932	0.008	0.004	0.24	0.48
14	13.333	1.025	1062.27	1404.0	529.6	81.5	0.944	0.933	1.001	0.135	0.933	0.007	0.004	0.22	0.46
15	13.666	1.025	1063.02	1404.3	530.0	81.6	0.963	0.949	1.001	0.104	0.949	0.007	0.003	0.20	0.44
16	14.000	1.026	1063.14	1405.0	530.4	81.5	0.967	0.952	1.001	0.098	0.952	0.007	0.003	0.25	0.43
17	14.333	1.026	1063.08	1404.8	530.2	81.6	0.971	0.955	1.001	0.091	0.955	0.007	0.005	0.30	0.43
18	14.666	1.027	1063.65	1405.7	530.9	81.5	0.977	0.959	1.001	0.083	0.959	0.008	0.006	0.38	0.45
19	15.000	1.026	1063.36	1403.8	528.9	81.6	0.980	0.963	1.001	0.077	0.962	0.008	0.008	0.46	0.46
20	15.333	1.026	1063.23	1404.5	530.2	81.5	0.986	0.968	1.001	0.065	0.968	0.008	0.009	0.55	0.47
21	15.666	1.027	1064.68	1405.0	531.0	81.7	0.993	0.972	1.001	0.056	0.972	0.009	0.011	0.66	0.51
22	16.000	1.027	1064.03	1404.7	530.6	81.5	1.001	0.979	1.001	0.043	0.979	0.010	0.014	0.81	0.57
23	16.333	1.028	1064.74	1404.9	531.1	81.3	1.011	0.987	1.001	0.028	0.986	0.011	0.016	0.94	0.62
24	16.666	1.027	1064.47	1403.8	530.6	81.4	1.021	0.995	1.001	0.011	0.995	0.012	0.020	1.17	0.71
25	17.000	1.028	1065.31	1403.5	530.8	81.4	1.035	1.005	1.001	-0.009	1.005	0.013	0.024	1.39	0.84
26	17.333	1.026	1063.60	1403.1	529.8	81.5	1.049	1.018	1.002	-0.035	1.018	0.017	0.028	1.60	0.97
27	17.666	1.026	1065.09	1405.4	531.4	81.6	1.061	1.026	1.000	-0.052	1.026	0.020	0.032	1.78	1.11
28	18.000	1.028	1065.33	1404.7	531.3	81.5	1.066	1.030	1.001	-0.059	1.030	0.022	0.034	1.89	1.24
29	18.333	1.026	1063.87	1404.0	530.3	81.6	1.056	1.024	1.001	-0.047	1.023	0.023	0.032	1.77	1.28
35	18.666	1.028	1065.12	1405.3	531.3	81.6	1.031	1.003	1.000	-0.005	1.003	0.019	0.026	1.47	1.09
36	19.000	1.027	1064.34	1403.4	530.3	81.4	1.017	0.992	1.001	0.017	0.992	0.017	0.022	1.27	0.96

TEST PART REX10-5 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
IC-484 255 3.000 2.00 48 1.50 -5.00 4-203 2-3-77 TRANSONIC 47

POINT	X	M	VH	PT	Q	IT	PL	VHL/VM	PTL/PT	CPL	UL/VM	VL/VM	VL/VM	ABL	SUL
1	9.000	1.021	1059.36	1405.7	529.9	81.5	1.087	1.052	1.000	-0.103	1.051	0.002	0.035	1.91	0.09
2	9.666	1.022	1059.95	1405.5	529.0	81.6	1.106	1.067	1.000	-0.133	1.066	-0.000	0.042	2.25	-0.03
3	10.333	1.022	1060.16	1403.4	528.3	81.5	1.095	1.058	1.000	-0.115	1.057	-0.000	0.042	2.30	-0.01
4	11.000	1.023	1060.77	1404.2	529.0	81.4	1.075	1.042	1.000	-0.084	1.041	0.001	0.039	2.12	0.04
5	11.666	1.023	1060.54	1405.1	529.2	81.4	0.979	0.964	1.000	0.071	0.964	0.003	0.023	1.17	0.21
6	12.333	1.025	1062.07	1404.0	529.5	81.4	0.959	0.946	1.001	0.109	0.946	0.004	0.018	1.09	0.25
7	13.000	1.025	1062.34	1405.1	530.0	81.5	0.943	0.933	1.000	0.134	0.933	0.003	0.016	0.94	0.28
8	13.666	1.025	1062.02	1404.1	529.5	81.4	0.944	0.933	1.001	0.135	0.933	0.004	0.015	0.93	0.26
9	14.333	1.026	1063.13	1404.3	530.1	81.4	0.958	0.945	1.001	0.112	0.945	0.004	0.015	0.89	0.27
10	15.000	1.026	1063.13	1404.5	530.2	81.3	0.964	0.950	1.001	0.102	0.949	0.004	0.015	0.93	0.25
11	15.666	1.026	1063.57	1404.0	530.2	81.4	0.972	0.955	1.001	0.091	0.955	0.004	0.017	1.00	0.24
12	16.333	1.026	1063.76	1403.8	530.1	81.6	0.983	0.964	1.001	0.073	0.964	0.003	0.019	1.13	0.20
13	17.000	1.026	1063.40	1403.3	529.9	81.4	0.996	0.976	1.001	0.050	0.975	0.003	0.023	1.35	0.18
14	17.666	1.028	1064.76	1403.8	530.7	81.4	1.015	0.990	1.001	0.021	0.989	0.003	0.028	1.61	0.18
15	18.333	1.027	1063.76	1404.6	530.5	81.4	1.042	1.012	1.000	-0.024	1.012	0.003	0.034	1.95	0.18
16	19.000	1.029	1065.42	1404.3	531.2	81.3	1.075	1.037	1.000	-0.073	1.036	0.004	0.042	2.34	0.22

TEST PART REX10-6 ALPHA WING Y Z PUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 JC-484 267 2.998 2.00 48 1.50 -4.00 4-215 20-3-77 AEDC TRANSONIC 45

POINT	X	M	VM	PT	Q	IT	ML	VML/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	BML
1	9.000	1.020	1052.66	1404.9	528.1	81.5	1.110	1.071	1.000	-0.141	1.070	0.003	0.041	2.17	0.14
2	9.333	1.021	1059.05	1404.2	528.1	81.5	1.116	1.075	1.000	-0.150	1.075	0.002	0.043	2.30	0.09
3	9.666	1.023	1060.80	1404.3	528.9	81.6	1.102	1.063	0.999	-0.127	1.062	0.003	0.041	2.22	0.17
4	10.000	1.023	1060.61	1404.5	528.9	81.6	1.104	1.064	1.000	-0.128	1.064	0.002	0.043	2.29	0.12
5	10.333	1.024	1061.76	1404.4	529.5	81.4	1.095	1.056	1.000	-0.112	1.055	0.002	0.042	2.29	0.16
6	10.666	1.023	1061.11	1404.3	529.2	81.4	1.080	1.045	1.000	-0.090	1.044	0.003	0.040	2.19	0.16
7	11.000	1.025	1062.55	1404.2	529.8	81.5	1.042	1.013	1.000	-0.056	1.013	0.005	0.032	1.83	0.26
8	11.333	1.024	1061.31	1404.3	529.3	81.4	0.992	0.974	1.000	0.052	0.974	0.006	0.024	1.41	0.36
9	11.666	1.024	1061.86	1404.4	529.5	81.5	0.975	0.959	1.001	0.083	0.959	0.007	0.020	1.17	0.41
10	12.000	1.023	1061.10	1403.9	529.0	81.5	0.963	0.951	1.001	0.101	0.950	0.008	0.017	1.02	0.45
11	12.333	1.024	1061.60	1403.7	529.2	81.4	0.944	0.934	1.001	0.114	0.934	0.007	0.015	0.94	0.45
12	12.666	1.025	1062.76	1404.6	529.9	81.7	0.944	0.933	1.001	0.134	0.933	0.007	0.014	0.86	0.45
13	13.000	1.024	1061.48	1403.1	528.8	81.6	0.943	0.934	1.001	0.135	0.934	0.007	0.013	0.82	0.45
14	13.333	1.026	1063.01	1404.5	530.1	81.4	0.944	0.933	1.001	0.136	0.933	0.007	0.013	0.78	0.45
15	13.666	1.025	1062.51	1404.7	529.9	81.5	0.944	0.933	1.001	0.134	0.933	0.007	0.013	0.77	0.43
16	14.000	1.027	1063.72	1404.9	530.6	81.4	0.959	0.945	1.001	0.111	0.945	0.007	0.012	0.75	0.42
17	14.333	1.026	1063.50	1403.9	530.0	81.6	0.950	0.946	1.001	0.109	0.946	0.007	0.012	0.76	0.40
18	14.666	1.026	1062.99	1403.5	529.8	81.4	0.955	0.950	1.001	0.102	0.950	0.007	0.013	0.77	0.40
19	15.000	1.026	1063.36	1404.4	530.2	81.6	0.968	0.953	1.001	0.096	0.953	0.006	0.013	0.81	0.37
20	15.333	1.027	1064.42	1405.1	531.0	81.5	0.971	0.954	1.001	0.093	0.954	0.006	0.014	0.85	0.38
21	15.666	1.027	1064.20	1404.1	530.4	81.7	0.976	0.959	1.001	0.084	0.959	0.006	0.016	0.93	0.38
22	16.000	1.027	1064.16	1404.6	530.6	81.7	0.982	0.964	1.001	0.074	0.964	0.006	0.017	1.01	0.37
23	16.333	1.026	1063.25	1404.2	530.1	81.5	0.987	0.969	1.001	0.064	0.968	0.006	0.019	1.11	0.33
24	16.666	1.027	1064.10	1404.1	530.5	81.4	0.997	0.976	1.001	0.051	0.975	0.006	0.021	1.25	0.35
25	17.000	1.027	1064.40	1404.1	530.6	81.5	1.007	0.983	1.001	0.034	0.983	0.005	0.024	1.41	0.32
26	17.333	1.028	1065.03	1405.9	531.5	81.6	1.019	0.993	1.001	0.015	0.993	0.005	0.028	1.60	0.31
27	17.666	1.029	1065.91	1404.5	531.4	81.6	1.032	1.003	1.001	-0.004	1.002	0.006	0.031	1.76	0.32
28	18.000	1.028	1064.90	1403.9	530.8	81.4	1.047	1.016	1.001	-0.030	1.015	0.006	0.035	1.97	0.34
29	18.333	1.028	1065.35	1403.8	530.9	81.6	1.065	1.030	1.001	-0.058	1.029	0.006	0.039	2.18	0.36
30	18.666	1.030	1066.35	1404.2	531.6	81.4	1.082	1.041	1.000	-0.082	1.040	0.007	0.043	2.38	0.38
31	19.000	1.038	1065.60	1404.3	531.1	81.7	1.077	1.038	1.000	-0.076	1.037	0.008	0.042	2.33	0.43

TEST PART BEX10-6 ALPHA 2.00 WING 45 Y 1.50 Z -3.00 RUN SUPPLY 4-216 DATE 2-3-77 AEDC PROPUSSION WIND TUNNEL TRANSONIC 47

POINT	X	Y	Z	PT	Q	IT	ML	YHL/YH	PTL/PT	CPL	DL/YH	YL/YH	ML/YH	AAL	SWL
1	9.000	1.021	1038.95	1404.0	528.0	81.4	1.117	1.076	0.999	-0.152	1.075	0.006	0.040	2.11	0.34
2	9.333	1.021	1038.64	1403.2	527.6	81.3	1.105	1.067	0.999	-0.135	1.066	0.007	0.041	2.20	0.39
3	9.666	1.023	1040.59	1403.1	528.5	81.3	1.103	1.068	1.000	-0.136	1.067	0.006	0.042	2.25	0.33
4	10.000	1.024	1041.35	1404.0	529.2	81.4	1.096	1.059	0.999	-0.119	1.058	0.006	0.041	2.23	0.34
5	10.333	1.024	1041.73	1403.2	529.0	81.5	1.084	1.048	1.000	-0.095	1.047	0.007	0.039	2.12	0.39
6	10.666	1.024	1042.03	1405.7	530.0	81.6	1.050	1.020	1.000	-0.081	1.020	0.009	0.033	1.87	0.49
7	11.000	1.024	1041.85	1404.0	529.3	81.7	1.001	0.981	1.001	0.039	0.981	0.010	0.023	1.49	0.58
8	11.333	1.024	1041.40	1403.7	529.1	81.4	0.975	0.960	1.000	0.080	0.960	0.011	0.019	1.15	0.65
9	11.666	1.024	1042.00	1403.7	529.4	81.4	0.968	0.953	1.002	0.095	0.953	0.011	0.016	0.95	0.68
10	12.000	1.024	1041.81	1404.5	529.6	81.4	0.960	0.947	1.001	0.107	0.947	0.011	0.013	0.81	0.67
11	12.333	1.024	1041.84	1403.4	529.2	81.4	0.943	0.933	1.001	0.136	0.933	0.011	0.012	0.71	0.68
12	12.666	1.024	1041.52	1404.7	529.5	81.4	0.942	0.933	1.001	0.136	0.933	0.011	0.010	0.62	0.65
13	13.000	1.023	1041.20	1403.9	529.0	81.5	0.942	0.933	1.002	0.137	0.933	0.010	0.009	0.56	0.64
14	13.333	1.025	1042.69	1403.3	529.5	81.4	0.942	0.931	1.001	0.139	0.931	0.010	0.009	0.53	0.59
15	13.666	1.024	1042.76	1404.8	530.3	81.6	0.944	0.932	1.001	0.137	0.932	0.009	0.008	0.52	0.58
16	14.000	1.025	1042.72	1405.1	530.2	81.5	0.958	0.945	1.001	0.111	0.945	0.009	0.008	0.51	0.56
17	14.333	1.025	1042.36	1404.8	529.9	81.6	0.961	0.948	1.001	0.105	0.948	0.009	0.009	0.54	0.53
18	14.666	1.025	1042.40	1403.5	529.5	81.4	0.963	0.951	1.001	0.100	0.951	0.009	0.009	0.57	0.51
19	15.000	1.026	1042.86	1404.2	530.0	81.4	0.969	0.954	1.001	0.094	0.954	0.009	0.011	0.64	0.52
20	15.333	1.026	1043.26	1404.6	530.3	81.4	0.975	0.958	1.001	0.085	0.958	0.008	0.012	0.73	0.50
21	15.666	1.026	1042.96	1404.2	530.0	81.4	0.979	0.962	1.001	0.078	0.962	0.009	0.013	0.80	0.51
22	16.000	1.025	1042.81	1403.6	528.9	81.4	0.988	0.966	1.002	0.065	0.969	0.008	0.016	0.92	0.50
23	16.333	1.027	1043.98	1402.9	529.9	81.5	0.995	0.974	1.001	0.052	0.974	0.008	0.019	1.06	0.49
24	16.666	1.027	1044.16	1404.4	530.6	81.5	1.006	0.983	1.001	0.035	0.983	0.009	0.022	1.26	0.51
25	17.000	1.028	1044.78	1405.6	531.4	81.4	1.017	0.991	1.001	0.019	0.991	0.009	0.025	1.46	0.53
26	17.333	1.028	1044.97	1405.2	531.3	81.5	1.032	1.003	1.001	-0.005	1.003	0.010	0.030	1.71	0.55
27	17.666	1.027	1043.78	1402.9	529.9	81.4	1.051	1.020	1.001	-0.038	1.019	0.010	0.035	1.98	0.58
28	18.000	1.027	1044.46	1401.5	529.7	81.4	1.074	1.037	1.002	-0.072	1.036	0.011	0.040	2.23	0.63
29	18.333	1.030	1046.37	1405.0	531.9	81.4	1.087	1.046	1.000	-0.091	1.044	0.013	0.044	2.41	0.71
31	18.666	1.029	1045.68	1405.4	531.7	81.4	1.065	1.029	1.000	-0.058	1.028	0.014	0.039	2.16	0.76
32	19.000	1.029	1046.08	1405.6	532.0	81.4	1.015	0.989	0.999	0.021	0.988	0.013	0.030	1.73	0.77

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 IC-484 269 3.000 2.00 49 1.50 -2.00 4-217 2- 3-77 TRANSONIC 47

POINT	X	M	VH	PT	Q	TT	ML	VML/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SNL
1	9.000	1.022	1059.57	1404.6	528.6	81.3	1.108	1.068	0.998	-0.139	1.068	0.014	0.039	2.09	0.75
2	9.233	1.022	1059.62	1404.9	528.7	81.3	1.104	1.065	0.999	-0.130	1.064	0.014	0.038	2.07	0.75
3	9.666	1.023	1060.61	1404.5	529.0	81.3	1.086	1.050	0.999	-0.101	1.050	0.015	0.037	2.00	0.84
4	10.000	1.022	1058.98	1403.1	528.1	81.6	1.089	1.038	1.000	-0.076	1.037	0.016	0.035	1.95	0.90
5	10.333	1.024	1061.20	1403.9	529.1	81.4	1.051	1.022	1.000	-0.043	1.021	0.017	0.032	1.81	0.95
6	10.666	1.024	1061.40	1404.1	529.2	81.4	1.017	0.995	1.000	-0.012	0.994	0.017	0.027	1.54	1.00
7	11.000	1.024	1061.11	1404.3	529.2	81.3	0.990	0.973	1.001	0.056	0.973	0.017	0.020	1.20	0.99
8	11.333	1.023	1060.67	1403.3	528.2	81.4	0.968	0.955	1.001	0.092	0.955	0.016	0.014	0.85	0.98
9	11.666	1.025	1062.12	1403.2	528.8	81.4	0.944	0.933	1.001	0.134	0.933	0.015	0.010	0.60	0.94
10	12.000	1.025	1062.72	1405.1	530.1	81.6	0.942	0.932	1.000	0.137	0.932	0.014	0.007	0.40	0.87
11	12.333	1.026	1063.51	1407.4	531.3	81.7	0.942	0.931	1.001	0.140	0.931	0.013	0.005	0.30	0.82
12	12.666	1.024	1061.70	1406.4	530.2	81.4	0.940	0.931	1.002	0.141	0.931	0.012	0.003	0.20	0.76
13	13.000	1.023	1061.10	1401.4	528.0	81.5	0.918	0.930	1.002	0.143	0.930	0.011	0.003	0.19	0.67
14	13.333	1.025	1062.23	1400.7	528.2	81.6	0.942	0.932	1.001	0.138	0.932	0.010	0.003	0.16	0.62
15	13.666	1.028	1064.62	1410.7	533.2	81.4	0.966	0.950	1.000	0.100	0.950	0.010	0.002	0.13	0.59
16	14.000	1.025	1062.41	1407.2	530.7	81.7	0.963	0.950	1.003	0.104	0.950	0.009	0.003	0.18	0.55
17	14.333	1.024	1061.40	1399.3	527.3	81.6	0.962	0.950	1.002	0.104	0.949	0.009	0.003	0.27	0.54
18	14.666	1.077	1064.17	1402.3	529.8	81.6	0.975	0.957	1.000	0.086	0.957	0.009	0.006	0.33	0.53
19	15.000	1.027	1064.71	1407.2	531.9	81.6	0.982	0.963	1.001	0.074	0.963	0.010	0.007	0.41	0.57
20	15.333	1.027	1064.22	1407.6	531.8	81.5	0.985	0.966	1.002	0.071	0.966	0.009	0.009	0.55	0.56
21	15.666	1.024	1061.53	1400.5	527.9	81.4	0.985	0.969	1.003	0.067	0.969	0.010	0.011	0.67	0.56
22	16.000	1.026	1063.61	1399.3	528.5	81.4	0.998	0.977	1.001	0.046	0.977	0.010	0.014	0.84	0.59
23	16.333	1.028	1065.32	1405.3	531.5	81.5	1.011	0.986	1.001	0.030	0.985	0.011	0.018	1.02	0.67
24	16.666	1.027	1064.44	1408.6	532.4	81.4	1.019	0.994	1.001	0.015	0.993	0.013	0.022	1.29	0.72
25	17.000	1.025	1062.78	1402.9	529.4	81.4	1.030	1.003	1.002	-0.004	1.003	0.015	0.028	1.59	0.85
26	17.333	1.026	1063.64	1400.5	528.9	81.4	1.048	1.017	1.001	-0.033	1.017	0.017	0.033	1.86	0.97
27	17.666	1.029	1066.19	1403.5	531.1	81.7	1.066	1.029	1.001	-0.057	1.028	0.021	0.039	2.15	1.15
28	18.000	1.029	1066.06	1407.3	532.6	81.5	1.073	1.034	1.000	-0.069	1.033	0.023	0.041	2.29	1.20
29	18.333	1.027	1064.37	1404.8	530.9	81.4	1.053	1.021	1.001	-0.041	1.020	0.024	0.037	2.09	1.36
30	18.666	1.027	1064.28	1400.0	529.0	81.4	1.018	0.992	1.001	0.016	0.992	0.021	0.029	1.69	1.22
31	19.000	1.029	1066.04	1403.2	531.0	81.5	1.010	0.985	1.000	0.031	0.984	0.018	0.024	1.41	1.07

AD-A062 273

NIELSEN ENGINEERING AND RESEARCH INC MOUNTAIN VIEW CALIF F/G 1/3
DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS A--ETC(U)
JUL 77 S C PERKINS, S S STAHARA, M J HEMSCH F44620-75-C-0047

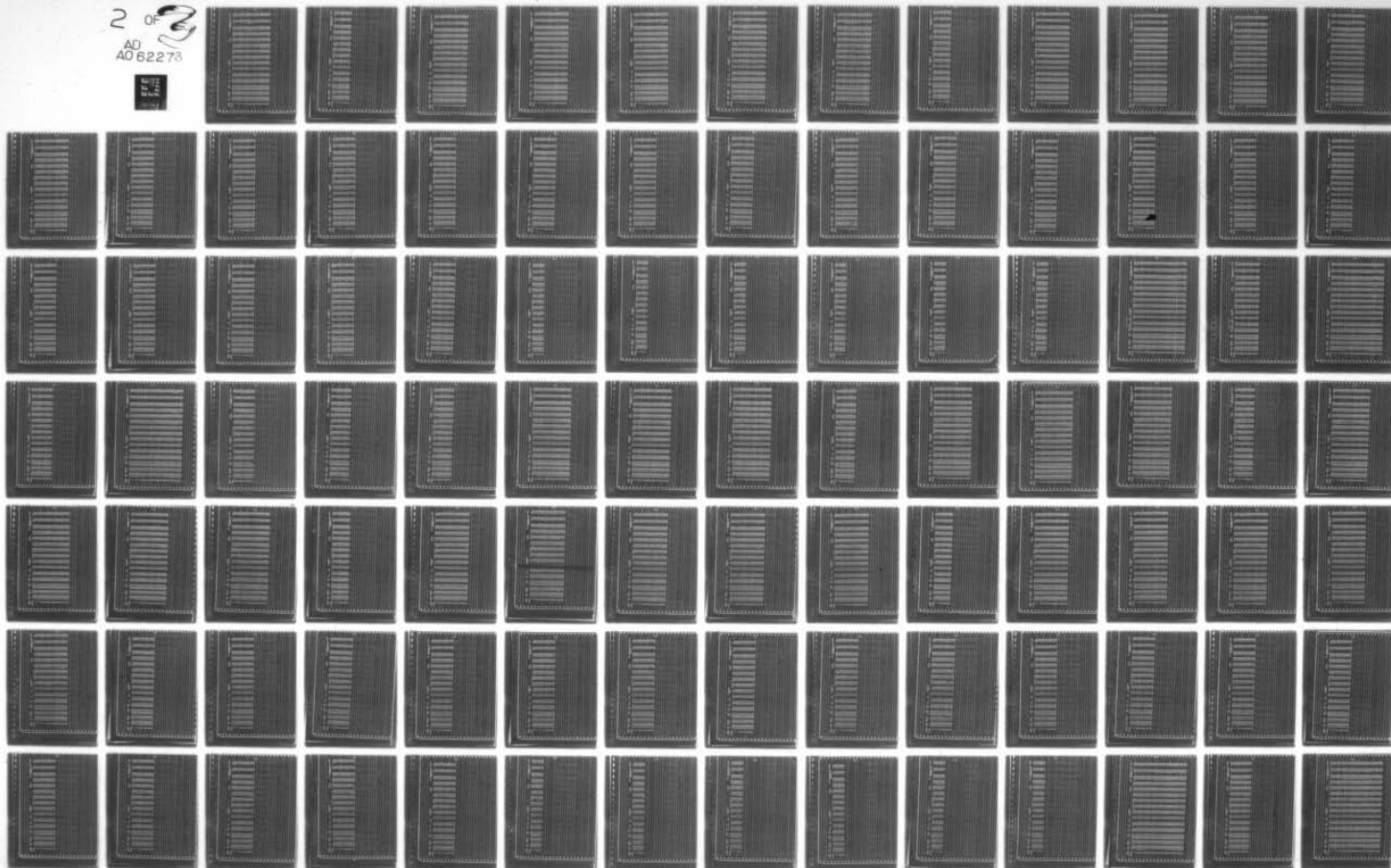
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NEAR-TR-138-VOL-4

AFOSR-TR-78-1488

NL

2 OF 2
AD
A0 62273



TEST	PART	REX10-4	ALFA	WING	Y	Z	RUN SURVEY	DATE	AEDC PROPLUSTION WIND TUNNEL						
TC-484	285	2.993	2.00	48	1.50	-1.50	4-233	2- 3-77	TRANSONIC 47						
POINT	X	M	VM	PT	Q	TT	ML	VNL/VM	PT/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
2	9.000	1.021	1059.68	1403.1	527.9	81.7	1.093	1.057	1.001	-0.113	1.056	-0.001	0.040	2.19	-0.05
3	9.333	1.072	1060.21	1403.7	528.8	81.5	1.079	1.045	0.999	-0.072	1.044	0.024	0.037	2.01	1.30
4	9.666	1.024	1061.36	1404.8	529.4	81.6	1.068	1.035	0.999	-0.071	1.034	0.024	0.037	2.03	1.32
5	10.000	1.023	1060.53	1403.2	528.4	81.5	1.057	1.028	1.000	-0.035	1.027	0.024	0.036	2.00	1.34
6	10.333	1.024	1061.56	1404.4	529.3	81.6	1.046	1.018	1.000	-0.036	1.017	0.023	0.034	1.92	1.31
7	10.666	1.024	1061.26	1404.6	529.3	81.5	1.018	0.995	1.000	0.010	0.995	0.023	0.027	1.55	1.31
8	11.000	1.023	1061.11	1404.5	529.2	81.4	0.987	0.971	1.001	0.060	0.970	0.021	0.018	1.05	1.26
9	11.333	1.024	1061.74	1403.6	529.1	81.6	0.962	0.949	1.001	0.104	0.949	0.019	0.010	0.61	1.14
10	11.666	1.025	1062.71	1404.3	529.9	81.4	0.942	0.931	1.001	0.139	0.931	0.017	0.005	0.33	1.05
11	12.000	1.025	1062.21	1404.7	529.21	81.5	0.939	0.930	1.001	0.143	0.930	0.015	0.001	0.08	0.91
12	12.333	1.025	1062.56	1404.4	529.8	81.6	0.939	0.929	1.001	0.142	0.929	0.013	-0.001	-0.05	0.80
13	12.666	1.024	1061.34	1403.6	529.0	81.5	0.941	0.932	1.001	0.139	0.932	0.011	-0.002	-0.10	0.70
14	13.000	1.025	1062.46	1404.4	529.8	81.5	0.942	0.932	1.001	0.137	0.932	0.010	-0.002	-0.12	0.63
15	13.333	1.026	1063.43	1405.5	530.7	81.5	0.944	0.932	1.001	0.137	0.932	0.009	-0.001	-0.08	0.55
16	13.666	1.025	1062.23	1402.8	529.1	81.5	0.959	0.946	1.002	0.111	0.946	0.008	-0.001	-0.04	0.50
17	14.000	1.027	1064.55	1404.2	530.1	81.6	0.966	0.952	1.001	0.098	0.957	0.008	-0.000	-0.01	0.49
18	14.333	1.025	1062.96	1404.8	530.7	81.6	0.973	0.960	1.001	0.081	0.960	0.009	0.004	0.21	0.47
19	14.666	1.027	1064.00	1404.3	530.4	81.6	0.978	0.967	1.001	0.068	0.967	0.009	0.006	0.33	0.50
20	15.000	1.025	1062.89	1403.5	529.6	81.6	0.985	0.972	1.001	0.057	0.972	0.009	0.008	0.49	0.52
21	15.333	1.026	1063.20	1404.1	530.1	81.4	0.992	0.976	1.001	0.049	0.976	0.010	0.011	0.64	0.58
22	15.666	1.027	1064.66	1404.6	530.9	81.4	1.007	0.985	1.001	0.032	0.984	0.011	0.014	0.84	0.62
23	16.000	1.026	1063.41	1404.5	530.3	81.7	1.018	0.993	1.001	0.015	0.993	0.012	0.019	1.09	0.70
24	16.333	1.026	1063.65	1404.4	530.3	81.7	1.032	1.004	1.001	0.006	1.003	0.015	0.025	1.42	0.75
25	16.666	1.027	1064.85	1404.4	530.7	82.0	1.048	1.015	1.001	-0.029	1.014	0.019	0.031	1.77	1.06
26	17.000	1.029	1066.26	1406.2	532.2	81.7	1.068	1.029	1.000	-0.057	1.028	0.023	0.038	2.10	1.30
27	17.333	1.027	1064.55	1406.9	531.6	81.8	1.063	1.029	1.000	-0.065	1.032	0.027	0.042	2.32	1.32
28	17.666	1.028	1064.87	1405.0	531.1	81.7	1.069	1.033	1.000	-0.062	1.030	0.030	0.043	2.59	1.70
29	18.000	1.026	1066.21	1404.7	531.6	81.6	1.068	1.031	1.000	-0.062	1.030	0.029	0.038	2.44	1.66
30	18.333	1.026	1063.90	1404.3	530.3	81.7	1.050	1.019	1.000	-0.038	1.018	0.024	0.030	1.73	1.36
31	18.666	1.028	1065.21	1404.5	531.0	81.7	1.023	1.000	1.001	-0.000	1.000	0.024	0.026	1.50	1.19
32	19.000	1.028	1065.56	1404.8	531.3	81.7	1.023	0.996	1.001	0.010	0.995	0.020	0.026	1.50	1.19

TEST PAPT REX10-6 ALPHA WING X Y Z PUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 IC-484 256 2.397 2.00 2.00 -5.00 4-204 2-3-77 TRANSONIC AT

POINT	X	Y	Z	PT	Q	TY	ML	YML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	ALL	SWL
2	10.333	1.027	1060.16	1403.8	528.5	81.5	1.095	1.058	1.000	-0.116	1.057	0.002	0.039	2.12	0.10
3	11.000	1.023	1060.90	1405.6	529.5	81.6	1.081	1.047	0.999	-0.094	1.046	-0.001	0.040	2.17	-0.03
4	11.666	1.023	1060.38	1404.4	528.9	81.4	0.980	0.965	1.000	0.070	0.965	0.004	0.023	1.36	0.23
5	12.333	1.023	1060.77	1404.2	529.0	81.4	0.958	0.947	1.001	0.107	0.947	0.005	0.018	1.07	0.31
6	13.000	1.023	1060.97	1403.8	528.9	81.4	0.943	0.934	1.001	0.134	0.934	0.006	0.016	0.96	0.35
7	13.666	1.025	1062.20	1405.4	530.0	81.6	0.943	0.933	1.000	0.134	0.933	0.005	0.015	0.90	0.31
8	14.333	1.025	1062.52	1403.7	529.6	81.4	0.945	0.934	1.001	0.135	0.934	0.005	0.014	0.88	0.22
9	15.000	1.024	1061.80	1403.1	529.1	81.3	0.963	0.949	1.001	0.102	0.949	0.005	0.015	0.90	0.28
10	15.666	1.026	1063.05	1402.8	529.5	81.4	0.969	0.954	1.001	0.094	0.953	0.004	0.016	0.97	0.24
11	16.333	1.027	1063.77	1404.0	530.3	81.4	0.983	0.964	1.001	0.073	0.964	0.004	0.018	1.08	0.22
12	17.000	1.027	1064.50	1403.3	530.3	81.6	0.997	0.975	1.001	0.051	0.975	0.003	0.022	1.30	0.17
13	17.666	1.028	1065.08	1404.8	531.2	81.4	1.017	0.991	1.001	-0.019	0.991	0.003	0.028	1.50	0.19
14	18.333	1.028	1064.68	1404.8	531.1	81.2	1.041	1.010	1.001	-0.020	1.010	0.003	0.033	1.99	0.17
15	19.000	1.027	1063.76	1400.9	529.2	81.3	1.075	1.039	1.001	-0.076	1.038	0.004	0.042	2.33	0.22

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY
 TC-484 270 3.017 2.00 48 2.00 -4.00 4-218

DATE
 2-3-77

AEDC PROPULSION WIND TUNNEL
 TRANSONIC 4X

POINT	X	M	YN	PT	0	IT	VL	VHL/VH	FTL/PT	CPL	UL/VH	VL/VH	WT/VH	AAL	SUL
3	10.000	1.020	1065.48	1411.2	533.8	81.5	1.125	1.075	0.991	-0.162	1.075	0.003	0.043	2.31	0.15
4	10.333	1.021	1059.15	1394.6	524.6	81.4	1.090	1.055	1.001	-0.109	1.054	0.001	0.042	2.26	0.06
5	10.666	1.025	1062.59	1411.0	532.3	81.6	1.094	1.055	1.001	-0.108	1.054	0.001	0.040	2.18	0.07
6	11.000	1.023	1060.64	1396.1	525.8	81.4	1.037	1.011	1.001	-0.021	1.011	0.004	0.032	1.79	0.23
7	11.333	1.029	1066.46	1407.9	532.9	81.8	1.008	0.983	0.999	0.033	0.983	0.005	0.025	1.48	0.30
8	11.666	1.025	1062.73	1408.2	531.4	81.5	0.976	0.960	1.001	0.083	0.959	0.007	0.021	1.22	0.44
9	12.000	1.023	1061.40	1399.1	527.2	81.7	0.943	0.934	1.002	0.134	0.934	0.008	0.017	1.03	0.52
10	12.333	1.024	1061.92	1394.9	526.0	81.4	0.943	0.933	1.000	0.134	0.913	0.009	0.015	0.92	0.55
11	12.666	1.029	1068.01	1413.4	534.9	81.5	0.966	0.948	1.000	0.104	0.948	0.009	0.013	0.77	0.54
12	13.000	1.026	1063.72	1410.7	532.7	81.7	0.959	0.945	1.003	0.114	0.945	0.009	0.013	0.70	0.54
13	13.333	1.025	1062.14	1390.7	524.5	81.4	0.940	0.930	1.000	0.140	0.930	0.008	0.013	0.77	0.52
14	13.666	1.029	1064.88	1414.1	534.6	81.6	0.966	0.950	1.001	0.102	0.949	0.009	0.011	0.69	0.53
15	14.000	1.024	1061.25	1401.1	528.1	81.2	0.942	0.933	1.002	0.138	0.932	0.008	0.012	0.73	0.49
16	14.333	1.026	1062.95	1401.1	528.9	81.3	0.961	0.947	1.000	0.107	0.947	0.008	0.012	0.71	0.48
17	14.666	1.029	1065.52	1408.0	532.6	81.4	0.969	0.952	1.000	0.097	0.951	0.008	0.012	0.71	0.46
18	15.000	1.026	1063.79	1408.2	531.1	81.5	0.967	0.951	1.001	0.099	0.951	0.007	0.012	0.75	0.45
19	15.333	1.027	1063.73	1402.8	529.8	81.4	0.969	0.953	1.001	0.095	0.953	0.007	0.012	0.82	0.41
20	15.666	1.028	1065.21	1404.5	531.2	81.4	0.979	0.960	1.001	0.082	0.960	0.007	0.014	0.86	0.41
21	16.000	1.028	1064.70	1408.8	531.8	81.4	0.982	0.963	1.000	0.075	0.962	0.007	0.016	0.96	0.39
22	16.333	1.028	1064.81	1404.5	531.0	81.4	0.986	0.966	1.001	0.069	0.966	0.006	0.018	1.06	0.36
23	16.666	1.027	1064.45	1404.0	530.5	81.6	0.997	0.975	1.001	0.051	0.975	0.006	0.021	1.21	0.37
24	17.000	1.029	1065.97	1405.4	531.8	81.6	1.008	0.983	1.001	0.034	0.983	0.006	0.024	1.37	0.33
25	17.333	1.028	1065.34	1406.5	531.9	81.5	1.019	0.992	1.001	0.016	0.992	0.005	0.027	1.55	0.31
26	17.666	1.027	1064.51	1404.3	530.7	81.5	1.032	1.004	1.001	-0.006	1.003	0.006	0.031	1.77	0.32
27	18.000	1.027	1064.45	1404.0	530.6	81.4	1.049	1.017	1.001	-0.033	1.017	0.006	0.035	1.98	0.34
28	18.333	1.028	1064.85	1403.8	530.7	81.4	1.068	1.032	1.001	-0.063	1.031	0.007	0.040	2.20	0.37
29	18.666	1.028	1064.80	1403.7	530.7	81.2	1.086	1.046	1.000	-0.082	1.045	0.008	0.044	2.43	0.41
30	19.000	1.028	1065.05	1401.1	529.9	81.3	1.080	1.041	1.001	-0.081	1.040	0.009	0.043	2.36	0.48

TEST PAPT REX10-6 ALPHA WING Y Z PUM SURVEY DATE AEDC PROPULSION WIND TUNNEL
TC-484 271 3.001 2.00 48 2.00 -3.00 4-219 2-3-77 TRANSONIC 4T

POINT	X	M	VM	PT	O	IT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	VL/VM	AAL	SUL
1	10.000	1.022	1060.34	1406.1	529.4	81.6	1.004	1.057	0.999	-0.115	1.056	0.005	0.040	2.15	0.28
2	10.333	1.022	1059.94	1405.9	529.2	81.4	1.006	1.051	1.000	-0.103	1.050	0.006	0.040	2.19	0.33
3	10.666	1.021	1058.89	1403.5	527.8	81.4	1.007	1.029	1.000	-0.057	1.028	0.008	0.035	1.94	0.44
4	11.000	1.023	1060.48	1402.7	528.3	81.4	1.004	0.985	1.001	0.031	0.985	0.011	0.026	1.53	0.63
5	11.333	1.025	1062.25	1403.6	529.5	81.3	0.979	0.963	1.001	0.075	0.963	0.013	0.021	1.22	0.75
6	11.666	1.023	1060.40	1403.9	528.7	81.4	0.965	0.953	1.001	0.095	0.953	0.013	0.016	0.99	0.78
7	12.000	1.025	1062.19	1404.7	529.4	81.5	0.943	0.933	1.000	0.135	0.933	0.013	0.014	0.83	0.82
8	12.333	1.025	1062.11	1404.7	529.7	81.5	0.942	0.932	1.001	0.137	0.932	0.013	0.012	0.72	0.82
9	12.666	1.023	1060.62	1405.1	529.2	81.5	0.941	0.933	1.001	0.137	0.932	0.013	0.010	0.62	0.82
10	13.000	1.023	1060.37	1405.0	529.1	81.4	0.941	0.932	1.001	0.137	0.932	0.013	0.009	0.56	0.77
11	13.333	1.023	1061.03	1403.0	528.6	81.4	0.940	0.931	1.001	0.139	0.931	0.012	0.008	0.52	0.74
12	13.666	1.025	1062.18	1402.9	529.1	81.4	0.942	0.932	1.001	0.137	0.932	0.011	0.008	0.48	0.70
13	14.000	1.024	1061.71	1404.3	529.4	81.4	0.944	0.934	1.001	0.133	0.934	0.011	0.008	0.50	0.66
14	14.333	1.026	1062.77	1405.0	530.3	81.3	0.959	0.946	1.001	0.110	0.946	0.010	0.008	0.49	0.64
15	14.666	1.025	1061.96	1403.3	529.3	81.2	0.962	0.949	1.001	0.106	0.949	0.010	0.009	0.52	0.60
16	15.000	1.025	1061.96	1401.9	528.7	81.2	0.965	0.951	1.001	0.099	0.951	0.009	0.010	0.60	0.57
17	15.333	1.025	1062.61	1402.0	529.0	81.5	0.972	0.957	1.001	0.087	0.957	0.010	0.011	0.67	0.57
18	15.666	1.027	1063.84	1405.9	531.1	81.4	0.991	0.963	1.000	0.074	0.963	0.009	0.013	0.77	0.55
19	16.000	1.026	1062.95	1406.3	530.8	81.4	0.987	0.969	1.001	0.064	0.969	0.009	0.015	0.80	0.53
20	16.333	1.026	1063.05	1403.8	529.9	81.3	0.994	0.974	1.001	0.054	0.974	0.009	0.018	1.04	0.50
21	16.666	1.024	1063.67	1402.7	529.7	81.6	1.006	0.983	1.001	0.035	0.983	0.009	0.021	1.24	0.51
22	17.000	1.027	1064.76	1404.6	530.9	81.7	1.019	0.993	1.001	0.014	0.993	0.009	0.026	1.48	0.54
23	17.333	1.025	1062.81	1404.5	530.0	81.5	1.037	1.009	1.002	-0.017	1.009	0.009	0.030	1.72	0.50
24	17.666	1.028	1065.11	1404.9	531.2	81.6	1.058	1.024	1.001	-0.047	1.023	0.009	0.036	2.01	0.53
25	18.000	1.026	1063.44	1403.2	529.8	81.5	1.077	1.041	1.001	-0.080	1.040	0.010	0.042	2.29	0.57
26	18.333	1.027	1064.74	1403.4	530.4	81.6	1.093	1.052	1.001	-0.102	1.050	0.013	0.046	2.50	0.60
27	18.666	1.029	1065.73	1405.5	531.8	81.4	1.073	1.035	0.999	-0.071	1.034	0.015	0.041	2.27	0.62
28	19.000	1.027	1064.04	1403.4	530.3	81.3	1.014	0.990	1.000	0.021	0.989	0.015	0.030	1.76	0.55

TEST PART		ALFA		WING		Y		Z		RUN SURVEY		DATE		AEDC PROPULSION WIND TUNNEL	
XC-484		272		3.000		2.00		2.00		4-220		2-3-77		TRANSONIC 41	
POINT	X	Y	Z	PT	Q	IT	ML	VML/VW	PTL/PT	CPL	UL/VW	VL/VW	VL/VW	ML/VW	EWL
1	10.000	1.023	1040.36	1404.4	528.9	81.3	1.078	1.044	0.999	-0.090	1.044	0.012	0.012	0.039	2.11
2	10.333	1.022	1040.12	1404.9	528.9	81.3	1.063	1.033	1.000	-0.065	1.032	0.013	0.013	0.037	2.05
3	10.666	1.022	1040.06	1404.4	528.7	81.4	1.016	0.996	1.000	0.008	0.996	0.016	0.016	0.030	1.73
4	11.000	1.023	1040.80	1403.7	528.8	81.4	0.983	0.967	1.000	0.066	0.966	0.018	0.018	0.022	1.32
5	11.333	1.023	1040.71	1404.5	528.1	81.3	0.969	0.956	1.001	0.090	0.955	0.019	0.019	0.017	1.03
6	11.666	1.022	1040.11	1404.3	528.7	81.3	0.942	0.934	1.001	0.134	0.934	0.019	0.019	0.012	0.73
7	12.000	1.023	1040.36	1404.2	528.9	81.2	0.938	0.930	1.001	0.141	0.930	0.019	0.019	0.008	0.48
8	12.333	1.024	1041.32	1402.0	528.5	81.2	0.937	0.928	1.001	0.146	0.928	0.017	0.017	0.005	0.31
9	12.666	1.023	1041.02	1402.2	528.4	81.3	0.937	0.929	1.001	0.144	0.928	0.017	0.017	0.003	0.19
10	13.000	1.024	1041.80	1403.9	529.3	81.4	0.940	0.930	1.001	0.141	0.930	0.015	0.015	0.002	0.11
11	13.333	1.025	1042.16	1404.6	529.8	81.4	0.941	0.931	1.001	0.139	0.931	0.013	0.013	0.001	0.07
12	13.666	1.023	1042.50	1403.7	528.9	81.3	0.941	0.932	1.001	0.137	0.932	0.012	0.012	0.002	0.09
13	14.000	1.023	1041.13	1403.0	528.7	81.4	0.944	0.934	1.002	0.134	0.934	0.012	0.012	0.002	0.11
14	14.333	1.025	1042.47	1404.6	530.0	81.3	0.963	0.949	1.001	0.103	0.949	0.011	0.011	0.002	0.14
15	14.666	1.024	1041.99	1403.5	529.3	81.4	0.968	0.954	1.001	0.094	0.954	0.011	0.011	0.004	0.26
16	15.000	1.025	1041.84	1403.2	529.2	81.2	0.973	0.958	1.001	0.087	0.958	0.011	0.011	0.006	0.36
17	15.333	1.025	1042.63	1403.0	529.4	81.4	0.979	0.963	1.001	0.077	0.962	0.011	0.011	0.008	0.47
18	15.666	1.026	1043.09	1403.5	529.8	81.4	0.986	0.968	1.001	0.066	0.967	0.010	0.010	0.011	0.63
19	16.000	1.026	1043.20	1403.9	530.0	81.4	0.995	0.975	1.001	0.053	0.975	0.011	0.011	0.014	0.81
20	16.333	1.026	1043.46	1404.2	530.2	81.4	1.004	0.982	1.001	0.038	0.982	0.011	0.011	0.017	1.02
21	16.666	1.027	1043.77	1404.6	530.6	81.2	1.016	0.991	1.001	0.018	0.991	0.012	0.012	0.022	1.30
22	17.000	1.027	1044.14	1403.4	530.3	81.2	1.033	1.005	1.001	-0.008	1.004	0.014	0.014	0.030	1.69
23	17.333	1.027	1044.00	1403.7	530.3	81.3	1.060	1.026	1.001	-0.031	1.025	0.015	0.015	0.037	2.09
24	17.666	1.027	1044.11	1404.3	530.5	81.4	1.082	1.043	1.000	-0.086	1.042	0.017	0.017	0.044	2.44
25	18.000	1.027	1044.30	1403.9	530.5	81.4	1.090	1.050	1.000	-0.099	1.048	0.020	0.020	0.048	2.81
26	18.333	1.028	1045.42	1405.1	531.4	81.6	1.060	1.025	0.999	-0.051	1.024	0.023	0.023	0.041	1.31
27	18.666	1.027	1043.80	1403.7	530.2	81.4	1.011	0.987	1.000	0.026	0.986	0.021	0.021	0.031	1.24
28	19.000	1.029	1045.80	1404.1	531.3	81.4	0.999	0.976	1.000	0.048	0.975	0.019	0.019	0.025	1.47

TEST PART REX10-6 ALPHA WING Y. 2 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
TC-484 286 2.996 2.00 93 2.00 -1.30 4-234

POINT	X	M	YM	PT	Q	TT	ML	VML/YM	FTL/PT	CPL	UL/YM	YL/YM	ML/YM	AML	BWL
2	10.000	1.023	1060.49	1403.7	528.5	81.6	1.047	1.051	1.000	-0.103	1.051	0.023	0.037	2.03	1.26
3	10.333	1.021	1059.55	1404.0	528.2	81.6	1.044	1.018	1.000	-0.036	1.017	0.018	0.037	2.10	1.03
4	10.666	1.022	1060.49	1403.9	528.6	81.7	1.010	0.980	1.000	0.021	0.989	0.021	0.031	1.78	1.21
5	11.000	1.024	1061.90	1404.3	529.4	81.6	0.977	0.962	1.000	0.077	0.961	0.023	0.022	1.31	1.37
6	11.333	1.024	1062.21	1404.5	529.6	81.7	0.943	0.933	1.001	0.134	0.933	0.024	0.013	0.82	1.46
7	11.666	1.026	1063.53	1405.5	530.7	81.5	0.938	0.928	1.000	0.145	0.927	0.023	0.007	0.42	1.90
8	12.000	1.024	1061.81	1404.7	529.5	81.7	0.935	0.926	1.001	0.149	0.926	0.021	0.001	0.09	1.30
9	12.333	1.024	1061.56	1404.4	529.4	81.5	0.935	0.926	1.001	0.149	0.926	0.019	-0.002	-0.11	1.20
10	12.666	1.024	1061.46	1404.2	529.3	81.4	0.936	0.927	1.001	0.147	0.927	0.017	-0.004	-0.22	1.07
11	13.000	1.024	1061.44	1403.6	528.5	81.7	0.937	0.928	1.001	0.145	0.928	0.015	-0.004	-0.27	0.93
12	13.333	1.024	1061.96	1404.6	529.7	81.4	0.939	0.929	1.001	0.143	0.929	0.013	-0.004	-0.26	0.91
13	13.666	1.024	1061.60	1404.1	529.3	81.4	0.941	0.932	1.001	0.138	0.932	0.012	-0.004	-0.22	0.74
14	14.000	1.026	1063.29	1403.3	529.8	81.4	0.944	0.932	1.001	0.137	0.932	0.011	-0.003	-0.16	0.67
15	14.333	1.026	1063.20	1403.9	530.0	81.4	0.964	0.950	1.001	0.102	0.950	0.010	-0.001	-0.06	0.53
16	14.666	1.026	1063.51	1404.7	530.4	81.6	0.972	0.956	1.001	0.091	0.955	0.010	0.001	0.05	0.42
17	15.000	1.025	1062.73	1405.5	530.4	81.3	0.977	0.960	1.001	0.081	0.960	0.010	0.004	0.02	0.59
18	15.333	1.025	1062.60	1403.9	529.8	81.3	0.982	0.964	1.001	0.073	0.964	0.010	0.006	0.37	0.60
19	15.666	1.025	1062.38	1403.7	529.2	81.4	0.987	0.969	1.001	0.063	0.969	0.010	0.009	0.54	0.59
20	16.000	1.027	1064.10	1403.9	530.4	81.5	1.000	0.978	1.001	0.045	0.978	0.011	0.013	0.78	0.63
21	16.333	1.028	1064.64	1406.1	531.5	81.4	1.011	0.987	1.001	0.028	0.986	0.011	0.018	1.00	0.66
22	16.666	1.026	1063.27	1403.5	529.5	81.4	1.023	0.998	1.001	0.006	0.997	0.013	0.025	1.48	0.76
23	17.000	1.027	1064.49	1403.3	530.3	81.5	1.041	1.011	1.001	-0.021	1.010	0.016	0.032	1.93	0.91
24	17.333	1.028	1064.80	1404.1	530.7	81.6	1.061	1.026	1.001	-0.051	1.025	0.020	0.040	2.25	1.12
25	17.666	1.028	1064.85	1403.8	530.6	81.6	1.073	1.036	1.000	-0.072	1.035	0.023	0.046	2.53	1.30
26	18.000	1.028	1065.46	1405.0	531.3	81.7	1.070	1.034	0.999	-0.068	1.032	0.027	0.047	2.60	1.50
27	18.333	1.027	1064.50	1404.1	530.6	81.6	1.030	1.002	1.000	-0.004	1.001	0.027	0.039	2.22	1.33
28	18.666	1.027	1064.54	1403.6	530.4	81.6	1.007	0.984	1.000	0.033	0.983	0.024	0.031	1.78	1.37
29	19.000	1.026	1065.31	1404.3	531.1	81.4	1.005	0.981	1.000	0.038	0.981	0.020	0.025	1.44	1.18

TEST PART PEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 TC-484 267 2.998 2.00 48 2.00 -1.00 4-235 2-3-77 TRANSONIC 47

POINT	X	M	VH	PT	O	TT	ML	VML/VH	PTL/PT	CPL	UL/VH	VL/VH	VL/VH	AAL	SMV
1	10.000	1.022	1059.67	1404.8	528.6	81.6	1.052	1.025	1.000	-0.050	1.024	0.020	0.043	2.43	1.10
2	10.333	1.022	1059.89	1403.7	528.3	81.6	1.040	1.015	1.000	-0.029	1.014	0.021	0.042	2.36	1.20
3	10.666	1.022	1060.45	1404.2	528.7	81.6	1.006	0.986	1.000	0.028	0.986	0.025	0.034	1.96	1.48
4	11.000	1.022	1060.07	1405.2	528.9	81.6	0.959	0.948	1.001	0.104	0.948	0.030	0.020	1.23	1.80
5	11.333	1.023	1060.81	1404.5	529.0	81.5	0.932	0.924	1.000	0.152	0.924	0.031	0.007	0.45	1.90
6	11.666	1.022	1060.24	1403.4	528.4	81.5	0.926	0.920	1.001	0.161	0.920	0.024	-0.004	-0.25	1.72
7	12.000	1.023	1060.51	1404.5	529.0	81.4	0.927	0.921	1.001	0.160	0.920	0.024	-0.010	-0.60	1.51
8	12.333	1.022	1060.25	1404.0	528.6	81.4	0.928	0.922	1.001	0.158	0.921	0.019	-0.013	-0.82	1.21
9	12.666	1.023	1061.10	1403.9	529.0	81.5	0.931	0.923	1.001	0.155	0.923	0.016	-0.014	-0.87	1.00
10	13.000	1.023	1060.92	1405.1	529.2	81.7	0.934	0.927	1.000	0.147	0.927	0.013	-0.016	-0.86	0.81
11	13.333	1.024	1062.17	1405.0	529.6	81.7	0.936	0.929	1.001	0.143	0.929	0.011	-0.013	-0.77	0.68
12	13.666	1.024	1061.84	1406.3	530.1	81.7	0.940	0.931	1.000	0.139	0.931	0.010	-0.011	-0.59	0.59
13	14.000	1.024	1061.64	1406.1	530.0	81.7	0.943	0.933	1.001	0.135	0.933	0.009	-0.009	-0.54	0.55
14	14.333	1.024	1061.82	1405.1	529.7	81.7	0.959	0.947	1.001	0.108	0.947	0.009	-0.007	-0.41	0.52
15	14.666	1.023	1060.83	1403.0	528.4	81.7	0.966	0.954	1.002	0.095	0.954	0.008	-0.004	-0.22	0.50
16	15.000	1.025	1062.37	1402.9	529.1	81.7	0.975	0.959	1.001	0.083	0.959	0.009	-0.000	-0.01	0.52
17	15.333	1.025	1062.45	1404.2	529.7	81.5	0.984	0.967	1.001	0.088	0.967	0.009	-0.003	0.20	0.53
18	15.666	1.024	1061.84	1403.4	529.2	81.4	0.994	0.975	1.001	0.052	0.975	0.009	0.008	0.45	0.55
19	16.000	1.025	1062.80	1403.9	529.7	81.6	1.004	0.983	1.001	0.035	0.983	0.010	0.012	0.73	0.57
20	16.333	1.027	1064.16	1404.4	530.6	81.4	1.019	0.993	1.001	0.015	0.993	0.011	0.018	1.06	0.65
21	16.666	1.027	1064.06	1404.8	530.6	81.7	1.035	1.007	1.001	-0.012	1.006	0.013	0.027	1.52	0.77
22	17.000	1.026	1063.21	1404.5	530.2	81.4	1.050	1.019	1.001	-0.038	1.019	0.018	0.035	1.99	0.99
23	17.333	1.027	1063.92	1405.1	530.8	81.4	1.058	1.025	1.000	-0.049	1.024	0.023	0.042	2.37	1.26
24	17.666	1.026	1063.57	1402.5	529.6	81.6	1.050	1.027	1.001	-0.053	1.026	0.027	0.047	2.62	1.51
25	18.000	1.027	1064.68	1403.1	530.2	81.8	1.033	1.021	0.999	-0.042	1.019	0.031	0.047	2.66	1.72
26	18.333	1.028	1065.50	1406.6	532.1	81.5	1.028	0.999	0.999	-0.000	0.998	0.027	0.040	2.29	1.87
27	18.666	1.027	1064.20	1404.3	530.5	81.6	1.016	0.992	1.001	0.001	0.991	0.023	0.032	1.83	1.30
28	19.000	1.028	1065.48	1403.1	530.7	81.5	1.015	0.989	1.001	0.024	0.988	0.019	0.027	1.55	1.10

TEST PART REX10-6 ALPHA KING Y 2 RUN SUPER DATE AEDC PROPULSION WIND TUNNEL
 TC-484 237 3.001 2.00 49 3.00 -5.00 4-285 2-3-77 TRANSONIC 42

POINT	X	M	VM	PT	O	IT	PL	VML/VH	PTL/RT	CPL	UL/VH	VL/VH	WL/VH	AAL	SML
1	10.333	1.022	1060.15	1405.3	529.1	81.4	1.095	1.038	1.000	-0.115	1.057	-0.003	0.041	2.22	-0.14
2	11.000	1.022	1059.54	1402.6	527.8	81.4	1.084	1.050	1.000	-0.100	1.049	-0.002	0.041	2.22	-0.11
3	11.666	1.023	1060.94	1405.0	529.4	81.4	0.990	0.973	0.999	0.053	0.973	0.004	0.029	1.49	0.26
4	12.333	1.023	1060.45	1404.9	529.2	81.1	0.960	0.948	1.001	0.105	0.948	0.007	0.018	1.17	0.43
5	13.000	1.024	1061.68	1402.1	528.7	81.3	0.943	0.933	1.001	0.136	0.933	0.008	0.017	1.04	0.47
6	13.666	1.025	1062.13	1404.7	529.8	81.4	0.943	0.933	1.000	0.134	0.933	0.008	0.016	0.98	0.48
7	14.333	1.026	1063.08	1404.4	530.1	81.4	0.945	0.933	1.001	0.135	0.933	0.007	0.015	0.93	0.44
8	15.000	1.026	1063.53	1404.7	530.4	81.5	0.944	0.949	1.001	0.104	0.949	0.006	0.016	0.94	0.39
9	15.666	1.025	1062.66	1403.4	529.5	81.5	0.969	0.954	1.001	0.094	0.954	0.006	0.017	1.00	0.37
10	16.333	1.027	1063.86	1403.8	530.3	81.4	0.940	0.962	1.001	0.078	0.962	0.005	0.019	1.11	0.30
11	17.000	1.027	1064.41	1403.7	530.5	81.4	0.995	0.973	1.001	0.054	0.973	0.004	0.023	1.33	0.24
12	17.666	1.028	1065.03	1404.7	531.2	81.4	1.014	0.969	1.001	0.023	0.969	0.004	0.027	1.58	0.22
13	18.333	1.028	1065.48	1404.8	531.4	81.5	1.042	1.011	1.001	-0.021	1.011	0.003	0.034	1.94	0.19
14	19.000	1.029	1065.62	1404.1	531.2	81.4	1.099	1.041	1.001	-0.080	1.040	0.005	0.043	2.39	0.25

TEST PART NEX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
IC-484 273 2.998 2.00 40 3.00 -4.00 6-221 2-3-77 TRANSONIC 4T

POINT	X	M	VH	PT	Q	TT	PL	VH/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	RWL
1	10.000	1.022	1059.66	1404.2	528.4	81.4	1.096	1.059	1.000	-0.119	1.058	0.001	0.040	2.17	0.03
2	10.333	1.022	1059.30	1403.9	528.2	81.4	1.096	1.059	1.000	-0.117	1.058	0.000	0.041	2.23	0.02
3	10.666	1.022	1040.10	1403.9	528.6	81.3	1.086	1.052	1.000	-0.105	1.052	0.000	0.040	2.18	0.00
4	11.000	1.024	1061.40	1403.7	529.1	81.4	1.060	1.029	1.000	-0.058	1.028	0.003	0.035	1.96	0.16
5	11.333	1.023	1061.01	1404.7	529.2	81.5	1.005	0.985	1.000	0.029	0.985	0.007	0.027	1.56	0.40
6	11.666	1.022	1060.26	1404.4	529.0	81.4	0.976	0.962	1.001	0.077	0.961	0.009	0.022	1.28	0.56
7	12.000	1.022	1060.20	1403.7	528.5	81.4	0.960	0.949	1.001	0.103	0.949	0.011	0.019	1.10	0.64
8	12.333	1.021	1059.19	1403.5	527.9	81.4	0.943	0.935	1.001	0.131	0.935	0.011	0.016	1.01	0.70
9	12.666	1.022	1040.34	1403.4	528.4	81.5	0.942	0.934	1.001	0.135	0.933	0.012	0.015	0.93	0.71
10	13.000	1.024	1051.21	1404.5	529.3	81.4	0.942	0.933	1.001	0.136	0.932	0.012	0.014	0.86	0.71
11	13.333	1.022	1060.14	1403.2	528.3	81.4	0.941	0.933	1.002	0.136	0.933	0.011	0.013	0.81	0.70
12	13.666	1.023	1060.44	1403.4	528.6	81.3	0.942	0.933	1.001	0.135	0.933	0.012	0.013	0.78	0.71
13	14.000	1.024	1061.05	1403.8	529.0	81.3	0.943	0.934	1.001	0.134	0.934	0.011	0.012	0.76	0.69
14	14.333	1.025	1062.16	1404.4	529.6	81.5	0.944	0.934	1.001	0.133	0.934	0.011	0.012	0.73	0.66
15	14.666	1.025	1062.52	1405.1	530.1	81.4	0.961	0.948	1.001	0.106	0.948	0.010	0.012	0.71	0.62
16	15.000	1.024	1061.84	1403.4	529.2	81.4	0.963	0.949	1.001	0.103	0.949	0.010	0.013	0.76	0.58
17	15.333	1.025	1062.10	1403.9	529.5	81.4	0.968	0.954	1.001	0.094	0.953	0.009	0.013	0.77	0.56
18	15.666	1.026	1062.90	1404.1	529.9	81.4	0.975	0.958	1.001	0.085	0.958	0.009	0.014	0.85	0.53
19	16.000	1.026	1063.24	1403.4	529.8	81.4	0.978	0.961	1.001	0.079	0.961	0.008	0.015	0.92	0.49
20	16.333	1.026	1063.06	1404.4	530.1	81.4	0.988	0.969	1.001	0.063	0.969	0.008	0.017	1.02	0.43
21	16.666	1.027	1063.96	1404.2	530.5	81.4	0.996	0.975	1.001	0.051	0.975	0.007	0.020	1.16	0.41
22	17.000	1.027	1064.16	1404.4	530.6	81.5	1.007	0.984	1.001	0.033	0.984	0.007	0.023	1.33	0.38
23	17.333	1.028	1065.11	1404.7	531.2	81.5	1.021	0.995	1.001	0.012	0.994	0.006	0.027	1.53	0.36
24	17.666	1.026	1063.59	1403.5	530.1	81.3	1.034	1.006	1.001	-0.010	1.005	0.006	0.030	1.71	0.36
25	18.000	1.027	1064.20	1403.9	530.3	81.4	1.051	1.019	1.001	-0.037	1.019	0.006	0.034	1.92	0.36
26	18.333	1.027	1064.24	1403.6	530.4	81.4	1.073	1.036	1.000	-0.072	1.036	0.006	0.040	2.21	0.36
27	18.666	1.028	1064.59	1403.5	530.5	81.4	1.092	1.051	1.001	-0.100	1.050	0.007	0.045	2.46	0.31
28	19.000	1.027	1064.50	1404.1	530.7	81.4	1.093	1.052	1.000	-0.104	1.051	0.010	0.046	2.51	0.33

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
TC-464 274 3.000 2.00 48 3.00 -3.00 4-222

POINT	X	M	VH	PT	Q	TT	HL	VHL/VH	PFL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SMZ
1	10.000	1.022	1059.78	1405.2	528.9	81.4	1.100	1.062	1.000	-0.123	1.061	0.002	0.040	2.17	0.13
2	10.333	1.022	1059.67	1404.6	528.6	81.4	1.092	1.056	1.000	-0.111	1.055	0.003	0.040	2.16	0.15
3	10.666	1.021	1059.41	1404.3	528.4	81.4	1.073	1.041	1.000	-0.082	1.040	0.005	0.037	2.06	0.29
4	11.000	1.024	1061.45	1403.8	529.2	81.3	1.023	0.999	1.000	0.002	0.999	0.010	0.029	1.68	0.55
5	11.333	1.023	1060.98	1403.9	528.5	81.6	0.985	0.964	1.001	0.053	0.969	0.013	0.023	1.38	0.79
6	11.666	1.025	1062.20	1404.1	529.6	81.5	0.970	0.956	1.000	0.089	0.955	0.016	0.019	1.15	0.94
7	12.000	1.023	1060.61	1404.3	528.9	81.5	0.962	0.950	1.001	0.101	0.950	0.017	0.016	0.96	1.05
8	12.333	1.024	1061.20	1403.7	529.0	81.4	0.943	0.933	1.002	0.136	0.933	0.018	0.013	0.83	1.10
9	12.666	1.023	1061.00	1404.1	529.0	81.4	0.940	0.932	1.001	0.118	0.931	0.018	0.012	0.73	1.09
10	13.000	1.024	1061.16	1404.4	529.2	81.4	0.941	0.932	1.001	0.139	0.931	0.018	0.010	0.62	1.09
11	13.333	1.024	1061.23	1403.8	528.7	81.4	0.941	0.932	1.002	0.139	0.931	0.017	0.008	0.52	1.03
12	13.666	1.025	1062.72	1402.6	529.2	81.5	0.941	0.931	1.001	0.139	0.931	0.017	0.008	0.48	1.02
13	14.000	1.025	1062.39	1408.0	530.4	81.4	0.945	0.934	1.000	0.133	0.934	0.015	0.007	0.43	0.95
14	14.333	1.025	1062.77	1404.8	530.1	81.5	0.944	0.933	1.001	0.136	0.933	0.014	0.007	0.40	0.89
15	14.666	1.024	1061.93	1402.8	529.0	81.4	0.941	0.940	1.002	0.106	0.948	0.014	0.007	0.45	0.83
16	15.000	1.024	1061.37	1402.1	528.5	81.3	0.945	0.952	1.001	0.098	0.952	0.013	0.008	0.49	0.77
17	15.333	1.026	1062.85	1404.0	529.9	81.3	0.971	0.955	1.001	0.090	0.955	0.012	0.009	0.56	0.72
18	15.666	1.026	1062.93	1402.6	529.5	81.2	0.976	0.960	1.001	0.082	0.960	0.011	0.011	0.65	0.68
19	16.000	1.026	1062.98	1402.5	529.5	81.2	0.984	0.966	1.001	0.076	0.966	0.010	0.013	0.78	0.62
20	16.333	1.027	1063.94	1403.6	530.2	81.4	0.994	0.974	1.001	0.054	0.974	0.010	0.016	0.95	0.57
21	16.666	1.026	1063.59	1403.1	529.9	81.3	1.006	0.983	1.001	0.035	0.983	0.010	0.020	1.16	0.56
22	17.000	1.027	1063.95	1403.6	530.3	81.3	1.021	0.996	1.001	0.010	0.995	0.009	0.025	1.43	0.51
23	17.333	1.027	1063.78	1402.9	529.9	81.4	1.040	1.011	1.001	-0.020	1.010	0.008	0.030	1.67	0.48
24	17.666	1.028	1065.61	1404.5	531.3	81.6	1.061	1.026	1.001	-0.051	1.025	0.009	0.035	1.95	0.48
25	18.000	1.028	1064.68	1405.8	531.4	81.4	1.084	1.044	1.000	-0.088	1.044	0.009	0.042	2.29	0.50
26	18.333	1.028	1065.10	1404.1	531.0	81.4	1.107	1.062	1.000	-0.123	1.061	0.011	0.049	2.64	0.58
27	18.666	1.028	1064.90	1403.7	530.7	81.5	1.097	1.055	1.000	-0.109	1.054	0.013	0.046	2.52	0.82
28	19.000	1.027	1063.89	1403.3	530.1	81.4	1.018	0.993	1.000	0.013	0.992	0.017	0.031	1.82	0.98

TEST PART		ALFA		WING		Y		Z		RUN SURVEY		DATE		AEDC PROPUSSION WIND TUNNEL	
TC-484		275		2.993		2.00		-2.00		4-223		2-3-77		TRANSONIC 4T	
POINT	I	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SWL
1	10.000	1.021	1059.99	1403.7	527.7	81.8	1.094	1.059	1.000	-0.117	0.930	0.004	0.040	2.18	0.23
2	10.333	1.021	1059.16	1404.6	528.3	81.5	1.083	1.050	1.000	-0.099	0.929	0.006	0.040	2.18	0.32
3	10.666	1.021	1059.21	1404.3	528.2	81.5	1.040	1.015	1.000	-0.029	0.914	0.011	0.034	1.92	0.62
4	11.000	1.022	1059.80	1404.1	528.5	81.4	0.989	0.973	1.001	0.054	0.973	0.017	0.027	1.58	0.99
5	11.333	1.022	1059.81	1404.3	528.5	81.4	0.969	0.957	1.001	0.087	0.956	0.021	0.022	1.32	1.26
6	11.666	1.022	1060.10	1403.9	528.5	81.4	0.943	0.934	1.001	0.132	0.934	0.024	0.018	1.08	1.45
7	12.000	1.023	1061.14	1403.2	528.8	81.4	0.940	0.931	1.000	0.139	0.930	0.025	0.013	0.81	1.57
8	12.333	1.023	1060.65	1404.0	528.7	81.6	0.937	0.929	1.001	0.142	0.929	0.025	0.009	0.56	1.56
9	12.666	1.024	1061.37	1405.0	529.6	81.3	0.936	0.928	1.001	0.146	0.927	0.025	0.006	0.35	1.53
10	13.000	1.025	1062.60	1403.9	529.7	81.5	0.936	0.926	1.001	0.150	0.926	0.023	0.003	0.18	1.43
11	13.333	1.025	1062.54	1403.4	529.5	81.5	0.937	0.927	1.001	0.146	0.927	0.022	0.001	0.05	1.38
12	13.666	1.024	1061.27	1404.8	529.4	81.5	0.939	0.931	1.001	0.140	0.930	0.020	-0.000	-0.02	1.25
13	14.000	1.025	1062.02	1404.9	529.8	81.4	0.940	0.931	1.001	0.139	0.931	0.016	-0.001	-0.05	1.12
14	14.333	1.024	1061.56	1404.2	529.3	81.4	0.944	0.934	1.001	0.134	0.934	0.017	-0.000	-0.01	1.04
15	14.666	1.024	1061.66	1404.2	529.4	81.4	0.962	0.949	1.001	0.104	0.949	0.015	0.001	0.08	0.93
16	15.000	1.025	1062.76	1404.2	529.9	81.4	0.969	0.954	1.001	0.093	0.954	0.014	0.002	0.14	0.84
17	15.333	1.025	1063.11	1404.9	530.2	81.7	0.976	0.959	1.001	0.083	0.959	0.013	0.005	0.27	0.77
18	15.666	1.026	1062.97	1405.0	530.3	81.5	0.983	0.956	1.001	0.071	0.956	0.012	0.007	0.43	0.72
19	16.000	1.025	1062.64	1403.6	529.6	81.4	0.991	0.973	1.001	0.057	0.972	0.011	0.011	0.63	0.68
20	16.333	1.026	1063.08	1402.9	529.6	81.4	1.001	0.980	1.001	0.042	0.980	0.011	0.015	0.85	0.63
21	16.666	1.027	1064.37	1405.0	530.8	81.7	1.017	1.001	1.001	0.035	0.992	0.010	0.021	1.21	0.50
22	17.000	1.027	1064.41	1404.5	530.8	81.5	1.050	1.019	1.001	-0.035	1.018	0.009	0.030	1.70	0.52
23	17.333	1.028	1065.02	1404.9	531.2	81.5	1.079	1.041	1.001	-0.080	1.040	0.009	0.038	2.10	0.51
24	17.666	1.027	1063.85	1404.0	530.3	81.4	1.105	1.062	1.000	-0.124	1.061	0.010	0.047	2.56	0.54
25	18.000	1.027	1064.01	1404.7	530.6	81.5	1.125	1.077	1.000	-0.154	1.076	0.012	0.055	2.95	0.68
26	18.333	1.027	1064.50	1404.3	530.6	81.7	1.097	1.055	0.999	-0.111	1.054	0.020	0.048	2.61	1.08
27	18.666	1.027	1064.55	1404.0	530.6	81.6	1.004	0.981	0.999	0.035	0.983	0.022	0.031	1.79	1.30
28	19.000	1.028	1065.21	1404.5	531.2	81.4	0.983	0.963	0.999	0.072	0.963	0.021	0.024	1.42	1.23

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY
 IC-484 288 2.999 2.00 48 3.00 -1.50 4-236

DATE 2-3-77
 AEDC PROPULSION WIND TUNNEL
 TRANSONIC 47

POINT	X	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SWL
1	10.000	1.022	1060.38	1405.6	529.2	81.7	1.089	1.053	0.999	-0.107	1.052	0.004	0.041	2.23	0.24
2	10.333	1.023	1060.64	1403.8	528.6	81.7	1.070	1.038	1.000	-0.076	1.037	0.007	0.039	2.18	0.38
3	10.666	1.022	1060.29	1403.3	528.3	81.5	1.074	1.001	1.000	-0.003	1.001	0.013	0.035	1.98	0.76
4	11.000	1.024	1041.61	1404.9	529.5	81.7	0.985	0.969	1.000	0.063	0.968	0.019	0.029	1.70	1.15
5	11.333	1.024	1061.71	1404.7	529.5	81.6	0.964	0.951	1.001	0.099	0.950	0.025	0.024	1.42	1.51
6	11.666	1.025	1062.20	1403.9	529.4	81.6	0.940	0.930	1.001	0.141	0.930	0.029	0.017	1.06	1.80
7	12.000	1.024	1061.46	1404.6	529.3	81.6	0.936	0.928	1.001	0.146	0.927	0.031	0.012	0.71	1.93
8	12.333	1.023	1060.65	1404.0	528.7	81.6	0.932	0.925	1.001	0.151	0.925	0.031	0.006	0.34	1.94
9	12.666	1.024	1061.64	1405.9	529.9	81.7	0.931	0.924	1.001	0.153	0.923	0.030	0.000	0.00	1.88
10	13.000	1.024	1061.66	1404.8	529.5	81.7	0.932	0.924	1.001	0.153	0.923	0.028	-0.004	-0.23	1.71
11	13.333	1.025	1062.17	1402.5	528.9	81.5	0.933	0.925	1.001	0.153	0.924	0.024	-0.006	-0.37	1.52
12	13.666	1.025	1062.15	1404.0	529.5	81.4	0.938	0.928	1.001	0.145	0.928	0.032	-0.007	-0.42	1.36
13	14.000	1.025	1062.32	1405.3	530.0	81.6	0.941	0.931	1.001	0.139	0.931	0.019	-0.006	-0.39	1.19
14	14.333	1.025	1062.56	1404.6	529.9	81.6	0.944	0.933	1.001	0.136	0.933	0.017	-0.005	-0.33	1.06
15	14.666	1.024	1062.06	1404.8	529.7	81.6	0.960	0.947	1.001	0.107	0.947	0.015	-0.003	-0.19	0.91
16	15.000	1.026	1063.51	1404.7	530.3	81.7	0.969	0.954	1.001	0.095	0.954	0.014	-0.001	-0.04	0.82
17	15.333	1.025	1062.20	1403.7	529.4	81.4	0.976	0.961	1.001	0.080	0.960	0.012	0.003	0.15	0.73
18	15.666	1.026	1063.85	1404.2	530.3	81.7	0.984	0.966	1.001	0.070	0.966	0.011	0.006	0.35	0.66
19	16.000	1.026	1063.51	1404.5	530.3	81.5	0.995	0.974	1.001	0.052	0.974	0.010	0.009	0.54	0.61
20	16.333	1.027	1064.42	1405.1	531.0	81.4	1.007	0.984	1.000	0.034	0.983	0.010	0.014	0.83	0.58
21	16.666	1.028	1065.07	1405.2	531.4	81.3	1.019	0.993	1.001	0.016	0.992	0.010	0.021	1.23	0.57
22	17.000	1.028	1065.01	1404.7	531.1	81.5	1.060	1.026	1.000	-0.051	1.025	0.009	0.034	1.87	0.52
23	17.333	1.029	1065.76	1404.4	531.3	81.5	1.104	1.059	1.000	-0.118	1.058	0.008	0.046	2.48	0.45
24	17.666	1.028	1064.86	1404.4	531.0	81.4	1.128	1.079	1.000	-0.157	1.077	0.011	0.056	2.96	0.36
25	18.000	1.027	1064.50	1404.1	530.7	81.4	1.127	1.078	0.999	-0.156	1.076	0.016	0.057	3.04	0.35
26	18.333	1.028	1065.46	1405.0	531.3	81.7	1.046	1.014	0.998	-0.031	1.013	0.024	0.040	2.26	1.35
27	18.666	1.028	1065.56	1404.6	531.3	81.5	0.985	0.965	0.998	0.068	0.964	0.023	0.028	1.68	1.37
28	19.000	1.027	1064.86	1404.8	531.0	81.7	0.983	0.964	1.000	0.072	0.963	0.021	0.021	1.27	1.25

TEST	PART	MEX10-6	ALFA	WING	Y	Z	RUN SURVEY	DATE	AEDC POPULSION WIND TUNNEL						
TC-484	289	2.999	2.00	48	3.00	-1.00	4-237	2- 3-77	TRANSONIC 47						
POINT	X	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	PL/VM	AAL	SML
1	10.000	1.022	1060.37	1405.0	529.0	81.6	1.065	1.050	0.999	-0.101	1.049	0.004	0.043	2.34	0.22
2	10.333	1.022	1060.11	1404.3	528.7	81.4	1.063	1.033	1.000	-0.066	1.032	0.008	0.041	2.29	0.43
3	10.666	1.023	1061.17	1403.2	529.4	81.7	1.015	0.994	1.000	-0.066	1.032	0.016	0.037	2.11	0.90
4	11.000	1.023	1060.48	1402.9	528.3	81.4	0.974	0.960	1.001	0.042	0.959	0.023	0.032	1.84	1.38
5	11.333	1.023	1061.06	1402.2	529.1	81.4	0.942	0.933	1.001	0.134	0.932	0.031	0.027	1.93	0.67
6	11.666	1.023	1060.99	1405.8	529.7	81.4	0.933	0.926	1.000	0.149	0.925	0.038	0.019	1.20	1.38
7	12.000	1.023	1060.96	1404.6	529.1	81.6	0.925	0.919	1.001	0.164	0.918	0.042	0.008	0.51	2.63
8	12.333	1.023	1060.95	1404.0	528.8	81.7	0.921	0.915	1.001	0.170	0.914	0.041	-0.002	-0.11	2.57
9	12.666	1.024	1062.16	1404.8	529.7	81.7	0.922	0.915	1.001	0.170	0.914	0.037	-0.010	-0.63	2.34
10	13.000	1.026	1063.38	1405.6	530.6	81.7	0.926	0.918	1.001	0.166	0.917	0.032	-0.015	-0.93	2.08
11	13.333	1.025	1062.51	1404.9	529.9	81.7	0.930	0.922	1.001	0.158	0.921	0.027	-0.017	-1.06	1.67
12	13.666	1.026	1063.73	1405.7	530.8	81.7	0.934	0.924	1.000	0.153	0.923	0.023	-0.017	-1.03	1.40
13	14.000	1.024	1061.91	1404.7	529.5	81.8	0.938	0.929	1.001	0.143	0.929	0.019	-0.015	-0.91	1.18
14	14.333	1.024	1061.96	1404.6	529.5	81.7	0.943	0.933	1.001	0.136	0.933	0.017	-0.012	-0.75	1.03
15	14.666	1.026	1063.40	1404.3	530.1	81.7	0.958	0.945	1.001	0.112	0.945	0.014	-0.009	-0.57	0.87
16	15.000	1.025	1062.71	1404.7	530.0	81.6	0.969	0.954	1.001	0.092	0.954	0.012	-0.005	-0.30	0.72
17	15.333	1.025	1062.81	1404.5	530.0	81.5	0.978	0.961	1.001	0.079	0.961	0.011	-0.002	-0.10	0.66
18	15.666	1.025	1062.45	1404.0	529.6	81.5	0.985	0.967	1.001	0.067	0.967	0.010	0.002	0.13	0.61
19	16.000	1.037	1063.81	1404.5	530.5	81.5	0.998	0.977	1.001	0.048	0.977	0.009	0.008	0.35	0.53
20	16.333	1.026	1063.11	1404.5	530.2	81.4	1.010	0.988	1.001	0.026	0.987	0.008	0.013	0.76	0.49
21	16.666	1.026	1063.49	1403.7	530.0	81.5	1.027	1.001	1.001	-0.000	1.001	0.008	0.022	1.24	0.37
22	17.000	1.026	1063.58	1402.9	529.7	81.6	1.054	1.022	1.001	-0.042	1.032	0.009	0.033	1.84	0.33
23	17.333	1.028	1064.77	1405.0	531.2	81.4	1.068	1.055	1.000	-0.111	1.054	0.010	0.045	2.45	0.56
24	17.666	1.028	1064.81	1404.7	531.0	81.5	1.111	1.065	0.998	-0.132	1.065	0.015	0.052	2.81	0.79
25	18.000	1.027	1063.91	1404.1	530.5	81.3	1.086	1.046	0.998	-0.095	1.045	0.022	0.049	2.69	1.19
26	18.333	1.029	1065.51	1404.3	531.2	81.4	1.010	0.985	0.998	0.028	0.994	0.025	0.037	2.13	1.46
27	18.666	1.028	1065.05	1403.8	530.8	81.5	0.988	0.967	0.999	0.064	0.967	0.024	0.028	1.64	1.41
28	19.000	1.028	1065.66	1404.8	531.3	81.8	0.989	0.968	1.000	0.063	0.968	0.020	0.021	1.25	1.39

TEST PART RFX10-6 ALPHA WING Y 2 RUN SURVEY
 TC-484 258 2.995 2.00 48 4.00 -5.00 4-206

DATE 2-3-77
 AEDC PROPELLSION WIND TUNNEL
 TRANSONIC 48

POINT	X	H	YH	DT	Q	ST	ML	VHL/VH	PFL/PT	CPL	UL/VH	VL/VH	ML/VH	ABL	SPL
2	10.500	1.022	1059.54	1403.6	527.0	81.3	1.091	1.055	1.000	-0.109	1.054	-0.001	0.041	2.25	-0.06
3	11.000	1.023	1061.12	1403.6	529.0	81.5	1.088	1.052	1.000	-0.104	1.051	-0.001	0.042	2.26	-0.14
4	11.500	1.024	1061.45	1403.7	529.8	81.5	1.041	1.014	1.000	-0.028	1.013	0.002	0.034	1.91	0.10
5	12.000	1.022	1060.32	1404.1	528.6	81.6	0.967	0.955	1.000	0.070	0.955	0.008	0.024	1.46	0.35
6	12.500	1.024	1061.77	1404.0	529.3	81.5	0.959	0.947	1.000	0.107	0.947	0.009	0.021	1.29	0.56
7	13.000	1.024	1062.13	1404.5	529.6	81.6	0.944	0.934	1.000	0.133	0.934	0.010	0.019	1.20	0.62
8	13.500	1.025	1062.32	1404.1	529.7	81.4	0.944	0.934	1.000	0.133	0.933	0.010	0.018	1.13	0.64
9	14.000	1.025	1062.54	1404.9	530.1	81.3	0.959	0.945	1.000	0.130	0.945	0.010	0.018	1.07	0.63
10	14.500	1.024	1061.89	1404.8	529.7	81.4	0.944	0.934	1.000	0.133	0.934	0.010	0.017	1.04	0.62
11	15.000	1.025	1062.42	1404.1	529.6	81.6	0.963	0.950	1.001	0.103	0.949	0.010	0.017	1.02	0.59
12	15.500	1.027	1064.07	1404.2	530.5	81.4	0.968	0.952	1.001	0.098	0.951	0.009	0.018	1.06	0.55
13	16.000	1.026	1063.79	1405.0	530.6	81.5	0.974	0.964	1.001	0.086	0.957	0.008	0.018	1.10	0.49
14	16.500	1.027	1064.46	1404.8	530.0	81.6	0.983	0.964	1.001	0.073	0.964	0.007	0.020	1.21	0.43
15	17.000	1.027	1064.89	1402.7	530.2	81.8	0.993	0.972	1.001	0.057	0.972	0.006	0.023	1.35	0.37
16	17.500	1.028	1064.95	1403.6	530.6	81.7	1.009	0.985	1.001	0.032	0.984	0.006	0.026	1.54	0.34
18	18.000	1.030	1067.04	1405.9	532.4	81.8	1.030	1.000	1.001	0.001	0.999	0.005	0.032	1.83	0.31
19	18.500	1.028	1064.86	1403.8	530.7	81.5	1.056	1.022	1.001	-0.044	1.022	0.005	0.038	2.15	0.30
20	19.000	1.028	1065.09	1405.4	531.5	81.4	1.084	1.044	1.000	-0.088	1.053	0.006	0.043	2.48	0.32

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE AERC PROPULSION WIND TUNNEL
 IC-484 276 2.996 2.00 48 4.00 -4.00 4-224 2-3-77 TRANSONIC AT

POINT	X	Y	V ₁	PI	Q	II	ML	VML/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SPL
2	10.500	1.023	1060.99	1403.7	528.7	81.7	1.097	1.058	1.000	-0.117	1.058	0.001	0.042	2.25	0.08
3	11.000	1.024	1061.54	1406.2	530.0	81.7	1.082	1.046	1.000	-0.092	1.045	0.000	0.039	2.12	0.01
4	11.500	1.023	1061.20	1403.9	529.0	81.6	1.003	0.983	1.000	0.034	0.983	0.000	0.027	1.60	0.07
5	12.000	1.024	1061.64	1403.8	529.1	81.6	0.969	0.955	1.000	0.089	0.955	0.012	0.021	1.29	0.74
6	12.500	1.024	1061.36	1404.2	529.3	81.3	0.961	0.949	1.001	0.103	0.948	0.014	0.019	1.15	0.07
7	13.000	1.024	1061.47	1404.9	529.5	81.5	0.944	0.934	1.001	0.133	0.934	0.015	0.017	1.05	0.02
8	13.500	1.026	1063.21	1404.7	530.2	81.7	0.942	0.931	1.000	0.138	0.931	0.015	0.015	0.95	0.01
9	14.000	1.025	1062.88	1405.6	530.3	81.7	0.944	0.933	1.000	0.134	0.933	0.015	0.014	0.87	0.00
10	14.500	1.025	1062.55	1406.5	530.5	81.7	0.960	0.947	1.001	0.107	0.947	0.014	0.013	0.81	0.06
11	15.000	1.025	1062.40	1404.3	529.7	81.6	0.962	0.949	1.001	0.105	0.948	0.013	0.013	0.80	0.01
12	15.500	1.026	1063.44	1403.4	529.8	81.4	0.969	0.954	1.001	0.109	0.954	0.012	0.014	0.84	0.02
13	16.000	1.027	1064.36	1404.8	530.8	81.9	0.978	0.960	1.001	0.080	0.960	0.011	0.016	0.92	0.66
14	16.500	1.026	1063.86	1404.6	530.5	81.6	0.989	0.970	1.001	0.062	0.970	0.009	0.018	1.06	0.56
15	17.000	1.027	1064.56	1404.4	530.7	81.6	1.005	0.982	1.001	0.037	0.982	0.008	0.022	1.29	0.48
16	17.500	1.024	1063.71	1404.3	530.3	81.5	1.025	0.999	1.001	0.003	0.999	0.007	0.027	1.36	0.43
17	18.000	1.028	1064.70	1404.1	530.7	81.5	1.051	1.019	1.001	-0.036	1.018	0.008	0.034	1.89	0.44
18	18.500	1.029	1066.02	1404.9	531.7	81.4	1.087	1.045	1.001	-0.060	1.045	0.008	0.043	2.36	0.45
19	19.000	1.028	1064.98	1402.9	530.3	81.7	1.107	1.063	1.000	-0.125	1.062	0.009	0.050	2.70	0.50

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
TC-484 277 2.998 2.00 49 4.00 -3.00 4-225 2-3-77 TRANSONIC 42

POINT	X	M	VN	PT	Q	TT	ML	VNL/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
1	10.500	1.023	1060.81	1404.5	529.0	81.6	1.062	1.055	1.000	-0.109	1.054	0.001	0.039	2.13	0.03
2	11.000	1.023	1060.29	1403.6	529.3	81.4	1.051	1.023	1.000	-0.066	1.022	0.006	0.034	1.90	0.34
3	11.500	1.022	1060.20	1403.9	528.5	81.6	0.981	0.967	1.001	0.068	0.966	0.014	0.025	1.49	0.86
4	12.000	1.024	1061.71	1404.7	529.5	81.7	0.965	0.952	1.000	0.097	0.951	0.018	0.021	1.26	1.09
5	12.500	1.023	1060.79	1403.5	528.6	81.6	0.944	0.935	1.002	0.132	0.935	0.020	0.018	1.11	1.25
6	13.000	1.024	1061.45	1404.0	529.2	81.4	0.941	0.932	1.001	0.138	0.932	0.022	0.015	0.93	1.33
7	13.500	1.025	1062.17	1404.8	529.9	81.4	0.941	0.931	1.001	0.139	0.931	0.021	0.012	0.76	1.31
8	14.000	1.025	1062.55	1403.8	529.6	81.5	0.942	0.932	1.001	0.139	0.932	0.020	0.010	0.62	1.25
9	14.500	1.026	1062.98	1405.4	530.5	81.4	0.944	0.933	1.001	0.135	0.933	0.019	0.009	0.55	1.18
10	15.000	1.026	1063.04	1403.6	529.8	81.4	0.952	0.948	1.002	0.107	0.947	0.017	0.009	0.54	1.02
11	15.500	1.026	1063.56	1404.6	530.3	81.6	0.972	0.956	1.001	0.089	0.956	0.015	0.010	0.61	0.92
12	16.000	1.026	1063.66	1404.5	530.4	81.6	0.982	0.964	1.001	0.074	0.964	0.014	0.012	0.74	0.81
13	16.500	1.026	1063.14	1403.4	529.8	81.4	0.966	0.976	1.001	0.050	0.976	0.012	0.017	1.00	0.68
14	17.000	1.028	1065.50	1403.9	531.1	81.4	1.020	0.993	1.001	0.014	0.993	0.010	0.023	1.32	0.56
15	17.500	1.028	1065.69	1403.7	531.0	81.6	1.053	1.018	1.001	-0.034	1.018	0.009	0.031	1.74	0.51
16	18.000	1.028	1065.31	1404.5	531.1	81.6	1.089	1.048	1.001	-0.095	1.047	0.010	0.041	2.25	0.52
17	18.500	1.028	1065.10	1403.7	530.8	81.4	1.130	1.080	1.000	-0.158	1.078	0.011	0.055	2.90	0.61
18	19.000	1.028	1065.26	1404.6	531.2	81.4	1.034	1.004	0.998	-0.011	1.004	0.018	0.035	2.00	1.06

TEST PAPT REX10-6 ALPHA WING Y Z RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 TC-464 278 2.998 2.00 4.00 -2.00 4-226

POINT	X	M	VX	PT	Q	IT	PL	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SUL
2	10.500	1.022	1059.66	1404.6	528.5	81.5	1.080	1.047	0.999	-0.094	1.046	0.002	0.039	2.15	0.10
3	11.000	1.021	1059.49	1403.7	528.0	81.7	1.010	0.991	1.001	0.019	0.990	0.012	0.032	1.82	0.07
4	11.500	1.024	1061.87	1404.8	529.7	81.4	0.973	0.958	1.001	0.085	0.958	0.020	0.026	1.58	1.17
5	12.000	1.023	1060.90	1404.1	528.9	81.6	0.944	0.935	1.002	0.132	0.935	0.025	0.023	1.38	1.51
6	12.500	1.023	1061.30	1403.9	529.0	81.6	0.938	0.929	1.001	0.143	0.929	0.028	0.017	1.08	1.76
7	13.000	1.023	1061.15	1404.2	529.1	81.6	0.936	0.928	1.001	0.145	0.928	0.029	0.013	0.78	1.82
8	13.500	1.025	1062.16	1404.6	529.7	81.5	0.936	0.927	1.001	0.147	0.927	0.029	0.008	0.47	1.77
9	14.000	1.026	1063.00	1403.9	529.9	81.5	0.938	0.928	1.001	0.145	0.928	0.026	0.003	0.20	1.82
10	14.500	1.025	1062.68	1405.2	530.2	81.4	0.943	0.932	1.001	0.137	0.932	0.023	0.002	0.12	1.80
11	15.000	1.024	1061.79	1403.3	529.1	81.5	0.958	0.946	1.002	0.110	0.946	0.019	0.002	0.14	1.18
12	15.500	1.026	1063.80	1404.1	530.3	81.6	0.973	0.956	1.001	0.089	0.956	0.016	0.005	0.30	0.57
13	16.000	1.027	1063.85	1404.2	530.4	81.5	0.986	0.967	1.001	0.068	0.967	0.014	0.009	0.53	0.91
14	16.500	1.027	1063.77	1405.0	530.7	81.4	1.007	0.984	1.001	0.033	0.984	0.011	0.015	0.88	0.66
15	17.000	1.027	1063.85	1404.0	530.3	81.5	1.049	1.018	1.001	-0.034	1.017	0.009	0.027	1.54	0.49
16	17.500	1.026	1063.76	1404.6	530.5	81.5	1.092	1.052	1.000	-0.103	1.051	0.008	0.039	2.13	0.42
17	18.000	1.028	1065.41	1404.7	531.3	81.6	1.143	1.090	1.000	-0.178	1.088	0.009	0.056	2.96	0.47
18	18.500	1.028	1064.89	1403.5	530.6	81.6	1.182	1.059	0.998	-0.119	1.057	0.022	0.046	2.50	1.16
19	19.000	1.028	1064.76	1404.4	530.9	81.5	0.991	0.946	0.998	-0.106	0.995	0.022	0.023	1.31	1.34

TEST PART REX10-6
IC-484 290 2.996

ALFA 2.00
MING 48

Y 4.00
Z -1.50

RUN SURVEY
4-238

DATE
2-3-77

AEDC PROPULSION WIND TUNNEL
TRANSONIC 45

POINT	X	M	Y4	PT	Q	IT	ML	YML/YM	PTL/PI	CPL	UL/YM	VL/YM	ML/YM	AAL	SUL
2	10.500	1.023	1061.11	1404.7	529.1	81.9	1.042	1.031	1.000	-0.062	1.030	0.016	0.040	2.21	0.90
3	11.000	1.023	1060.61	1404.3	528.9	81.5	1.002	0.983	1.000	0.035	0.982	0.014	0.033	1.93	0.79
4	11.500	1.023	1061.20	1403.9	529.0	81.6	0.969	0.956	1.000	0.049	0.955	0.022	0.029	1.74	1.33
5	12.000	1.025	1062.54	1403.4	529.4	81.6	0.943	0.932	1.001	0.136	0.932	0.029	0.025	1.54	1.76
6	12.500	1.024	1061.60	1404.1	529.3	81.5	0.936	0.928	1.001	0.147	0.927	0.034	0.020	1.21	2.12
7	13.000	1.025	1062.46	1404.6	529.9	81.5	0.931	0.923	1.001	0.156	0.922	0.037	0.011	0.67	2.27
8	13.500	1.026	1063.02	1404.9	530.3	81.4	0.932	0.922	1.001	0.156	0.922	0.035	0.002	0.15	2.18
9	14.000	1.026	1063.56	1404.6	530.4	81.4	0.935	0.925	1.001	0.152	0.924	0.030	-0.002	-0.12	1.80
10	14.500	1.027	1064.27	1405.4	530.9	81.7	0.941	0.929	1.001	0.143	0.929	0.025	-0.003	-0.21	1.54
11	15.000	1.028	1064.67	1405.0	531.1	81.4	0.960	0.945	1.001	0.111	0.945	0.019	-0.002	-0.12	1.16
12	15.500	1.026	1063.97	1405.4	530.8	81.7	0.974	0.957	1.001	0.086	0.957	0.015	0.001	0.07	0.92
13	16.000	1.026	1063.65	1403.8	530.2	81.4	0.988	0.969	1.001	0.064	0.969	0.012	0.007	0.41	0.72
14	16.500	1.028	1064.90	1404.3	530.9	81.6	1.012	0.987	1.001	0.026	0.987	0.010	0.015	0.87	0.58
15	17.000	1.028	1064.80	1404.1	530.8	81.5	1.071	1.034	1.001	-0.067	1.034	0.006	0.032	1.75	0.36
16	17.500	1.028	1064.81	1404.5	530.9	81.5	1.122	1.074	1.000	-0.146	1.073	0.006	0.048	2.54	0.31
17	18.000	1.028	1065.61	1404.5	531.3	81.6	1.156	1.107	0.998	-0.214	1.105	0.009	0.065	3.38	0.47
18	18.500	1.026	1065.47	1405.2	531.5	81.6	1.020	0.993	0.996	0.009	0.992	0.009	0.033	1.92	1.42
19	19.000	1.029	1065.05	1404.2	531.2	81.9	0.981	0.945	0.998	0.108	0.944	0.023	0.021	1.26	1.39

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 291 2.997 2.00 49 4.00 -1.00 4-239 2-3-77 TRANSONIC 4T

POINT	X	M	Y	PT	O	TT	ML	VML/VH	PTL/PT	CPL	UL/VH	VL/VH	VL/VH	AAL	SML
1	10.500	1.023	1060.89	1403.5	528.9	81.4	1.069	1.036	1.000	-0.073	1.036	0.002	0.039	2.18	0.13
2	11.000	1.023	1061.11	1404.7	529.3	81.5	1.001	0.982	1.000	0.036	0.981	0.014	0.035	2.04	0.79
3	11.500	1.024	1062.21	1404.9	529.8	81.7	0.966	0.952	1.000	0.095	0.952	0.024	0.033	1.98	1.47
4	12.000	1.023	1060.87	1404.8	529.2	81.5	0.940	0.931	1.001	0.138	0.930	0.034	0.030	1.85	2.10
5	12.500	1.024	1062.01	1404.7	529.7	81.5	0.929	0.921	1.001	0.158	0.920	0.044	0.022	1.34	2.74
6	13.000	1.025	1062.26	1404.4	529.7	81.4	0.921	0.914	1.001	0.173	0.913	0.047	0.006	0.40	2.97
7	13.500	1.025	1063.12	1405.1	530.3	81.7	0.921	0.914	1.000	0.172	0.913	0.041	-0.009	-0.55	2.59
8	14.000	1.024	1062.21	1404.9	529.7	81.8	0.929	0.921	1.001	0.158	0.921	0.033	-0.013	-0.83	2.04
9	14.500	1.026	1063.74	1408.1	530.9	81.7	0.937	0.927	1.000	0.147	0.926	0.025	-0.013	-0.79	1.56
10	15.000	1.025	1062.76	1404.8	530.0	81.6	0.943	0.933	1.001	0.137	0.932	0.019	-0.009	-0.56	1.16
11	15.500	1.025	1062.42	1402.6	529.0	81.6	0.972	0.957	1.002	0.090	0.956	0.014	-0.004	-0.22	0.83
12	16.000	1.026	1063.65	1404.0	530.3	81.4	0.940	0.931	1.001	0.060	0.971	0.011	0.003	0.18	0.63
13	16.500	1.026	1063.65	1404.0	530.3	81.4	1.016	0.991	1.001	0.019	0.991	0.008	0.013	0.75	0.45
14	17.000	1.026	1063.84	1403.6	530.1	81.6	1.072	1.036	1.001	-0.071	1.036	0.003	0.030	1.65	0.18
15	17.500	1.027	1064.46	1404.6	530.9	81.4	1.151	1.096	0.999	-0.193	1.095	0.004	0.057	3.00	0.19
16	18.000	1.027	1064.35	1404.0	530.6	81.4	1.162	1.105	0.997	-0.211	1.103	0.014	0.062	3.21	0.74
17	18.500	1.028	1065.10	1403.7	530.8	81.5	0.970	0.953	0.996	0.089	0.952	0.024	0.026	1.66	1.47
18	19.000	1.028	1065.40	1403.9	531.0	81.4	0.969	0.951	0.999	0.096	0.951	0.022	0.019	1.14	1.33

TEST PART		REXIO-6	ALFA	WING	Y	2	RUN SURVEY	DATE	AEDC PROPULSION WIND TUNNEL						
TC-484		259	2.997	2.00	4%	5.50	-5.00	2- 3-77	TRANSONIC 47						
POINT	X	M	VM	PT	Q	TT	ML	VVL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	AML
2	10.500	1.023	1060.35	1402.6	528.3	81.2	1.090	1.053	1.000	-0.106	1.052	-0.002	0.039	2.11	-0.12
3	11.000	1.024	1061.16	1403.2	526.8	81.3	1.095	1.056	1.000	-0.112	1.056	-0.003	0.041	2.21	-0.18
4	11.500	1.022	1060.12	1404.1	528.7	81.3	1.068	1.037	1.000	-0.074	1.036	-0.001	0.039	2.08	-0.04
5	12.000	1.023	1060.99	1402.7	528.5	81.4	0.982	0.967	1.000	0.067	0.966	0.007	0.028	1.65	0.44
6	12.500	1.025	1062.19	1405.0	529.9	81.4	0.965	0.951	1.000	0.098	0.950	0.011	0.025	1.50	0.57
7	13.000	1.023	1066.74	1404.7	529.1	81.4	0.944	0.935	1.001	0.131	0.935	0.013	0.022	1.38	0.77
8	13.500	1.023	1060.84	1402.6	528.4	81.4	0.943	0.934	1.001	0.134	0.934	0.013	0.022	1.33	0.82
9	14.000	1.024	1061.95	1403.0	529.1	81.4	0.945	0.934	1.001	0.133	0.934	0.014	0.021	1.27	0.83
10	14.500	1.025	1062.73	1404.7	530.1	81.4	0.960	0.947	1.001	0.108	0.946	0.015	0.020	1.19	0.88
11	15.000	1.027	1064.35	1405.7	531.2	81.4	0.961	0.946	1.000	0.108	0.946	0.014	0.020	1.18	0.85
12	15.500	1.027	1064.20	1402.9	530.1	81.4	0.964	0.949	1.001	0.104	0.949	0.013	0.019	1.15	0.78
13	16.000	1.027	1063.76	1403.2	530.0	81.4	0.972	0.955	1.001	0.091	0.955	0.013	0.020	1.19	0.76
14	16.500	1.026	1063.51	1403.9	530.1	81.4	0.980	0.963	1.001	0.076	0.962	0.011	0.021	1.26	0.66
15	17.000	1.027	1064.53	1404.9	531.0	81.4	0.992	0.972	1.001	0.058	0.971	0.010	0.023	1.37	0.61
17	17.500	1.028	1065.06	1404.0	530.9	81.5	1.010	0.985	1.001	0.031	0.985	0.010	0.027	1.59	0.57
18	18.000	1.027	1064.08	1402.1	529.7	81.4	1.027	1.000	1.001	0.002	0.999	0.009	0.032	1.81	0.52
19	18.500	1.029	1065.71	1403.7	531.1	81.5	1.053	1.019	1.000	-0.038	1.018	0.009	0.037	2.10	0.51
20	19.000	1.029	1065.64	1405.1	531.6	81.3	1.080	1.040	1.000	-0.080	1.039	0.008	0.045	2.47	0.45

TEST PART REX10-6 ALPHA 2.00 WING 40 Y 5.50 Z -4.00 PUV SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 47

TC-484 279 2.998

POINT	X	Y	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SWL
1	10.500	1.022	1059.65	1404.0	528.4	81.4	1.099	1.061	1.000	-0.121	1.060	-0.004	0.040	2.17	-0.21
2	11.000	1.023	1060.74	1403.6	528.5	81.6	1.086	1.051	1.000	-0.101	1.050	-0.002	0.039	2.15	-0.12
3	11.500	1.022	1060.67	1405.0	529.0	81.6	1.043	1.016	1.000	-0.032	1.016	0.003	0.033	1.88	0.16
4	12.000	1.022	1060.52	1405.1	528.9	81.9	0.972	0.959	1.000	0.082	0.959	0.011	0.026	1.58	0.67
5	12.500	1.023	1061.66	1407.3	530.3	82.0	0.961	0.949	1.000	0.102	0.949	0.014	0.024	1.43	0.86
6	13.000	1.023	1061.14	1406.1	529.7	81.8	0.944	0.935	1.001	0.132	0.934	0.016	0.022	1.35	0.96
7	13.500	1.023	1060.95	1404.0	528.4	81.6	0.942	0.933	1.001	0.135	0.933	0.016	0.021	1.29	1.00
8	14.000	1.023	1060.78	1402.9	528.4	81.5	0.943	0.934	1.001	0.134	0.933	0.017	0.020	1.21	1.03
9	14.500	1.024	1061.64	1403.2	529.0	81.4	0.959	0.946	1.002	0.110	0.946	0.017	0.018	1.10	1.04
10	15.000	1.025	1062.22	1404.9	529.9	81.5	0.961	0.948	1.001	0.106	0.948	0.017	0.017	1.05	1.02
11	15.500	1.025	1062.85	1405.2	529.9	81.5	0.967	0.952	1.001	0.097	0.952	0.016	0.017	1.02	0.98
12	16.000	1.026	1063.31	1405.5	530.3	81.4	0.973	0.957	1.001	0.087	0.957	0.014	0.018	1.01	0.87
13	16.500	1.027	1064.12	1405.1	530.9	81.4	0.986	0.967	1.000	0.067	0.966	0.013	0.019	1.13	0.75
14	17.000	1.027	1064.51	1404.5	530.7	81.7	1.004	0.981	1.001	0.039	0.981	0.011	0.023	1.35	0.66
15	17.500	1.027	1064.14	1403.8	530.3	81.7	1.024	0.998	1.001	0.006	0.997	0.011	0.028	1.59	0.52
16	18.000	1.028	1064.56	1404.8	531.3	81.6	1.051	1.018	1.001	-0.035	1.017	0.011	0.034	1.92	0.39
17	18.500	1.028	1065.69	1406.4	531.9	81.6	1.085	1.046	1.000	-0.089	1.044	0.010	0.043	2.36	0.33
18	19.000	1.028	1064.68	1405.6	531.3	81.5	1.113	1.068	1.000	-0.135	1.068	0.007	0.053	2.83	0.40

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY
 IC-484 200 2.996 2.00 48 5.50 -3.00 4-228

DATE 2-3-77
 AEDC PROPULSION WIND TUNNEL
 TRANSONIC 42

POINT	X	Y	Y ₀	PT	0	IT	WL	WML/VN	PLD/PT	CPL	VL/VN	VL/VN	WL/VN	AAL	SWL
1	10.500	1.021	1059.90	1403.7	527.9	81.4	1.093	1.057	1.000	-0.115	1.057	-0.003	0.039	2.13	-0.18
2	11.000	1.022	1060.25	1404.2	528.7	81.5	1.080	1.046	1.000	-0.091	1.045	-0.001	0.038	2.09	-0.06
3	11.500	1.023	1060.64	1403.4	528.6	81.5	1.015	0.994	1.001	0.014	0.993	0.008	0.031	1.81	0.44
4	12.000	1.023	1061.34	1403.8	528.9	81.7	0.970	0.956	1.001	0.089	0.956	0.015	0.027	1.60	0.90
5	12.500	1.023	1060.67	1405.0	529.2	81.5	0.962	0.950	1.001	0.102	0.949	0.019	0.025	1.51	1.12
6	13.000	1.024	1062.16	1404.6	529.7	81.6	0.944	0.933	1.001	0.134	0.933	0.020	0.023	1.43	1.25
7	13.500	1.024	1061.69	1403.7	529.1	81.6	0.942	0.932	1.001	0.137	0.932	0.022	0.022	1.34	1.34
8	14.000	1.024	1061.90	1404.3	529.4	81.7	0.942	0.932	1.001	0.117	0.932	0.023	0.019	1.18	1.40
9	14.500	1.026	1063.15	1404.0	530.0	81.4	0.943	0.932	1.001	0.138	0.931	0.023	0.017	1.03	1.39
10	15.000	1.026	1063.31	1404.5	530.2	81.6	0.944	0.932	1.001	0.136	0.932	0.022	0.015	0.92	1.32
11	15.500	1.025	1062.62	1404.9	530.1	81.4	0.964	0.950	1.001	0.101	0.950	0.019	0.014	0.86	1.17
12	16.000	1.026	1062.94	1404.2	530.0	81.4	0.974	0.958	1.001	0.086	0.957	0.017	0.015	0.88	1.02
13	16.500	1.026	1062.99	1403.7	529.8	81.5	0.991	0.972	1.001	0.038	0.971	0.015	0.023	1.03	0.86
14	17.000	1.027	1064.06	1404.8	531.0	81.7	1.018	0.992	1.001	0.018	0.992	0.013	0.023	1.32	0.76
15	17.500	1.027	1064.36	1404.6	530.7	81.6	1.019	1.018	1.001	-0.034	1.017	0.013	0.031	1.74	0.71
16	18.000	1.027	1064.76	1404.4	530.8	81.6	1.017	1.047	1.000	-0.094	1.046	0.012	0.041	2.23	0.67
17	18.500	1.027	1064.45	1404.2	530.6	81.6	1.126	1.078	1.000	-0.135	1.076	0.010	0.054	2.88	0.52
18	19.000	1.027	1064.36	1404.6	530.6	81.8	1.096	1.055	0.998	-0.112	1.054	0.014	0.048	2.61	0.74

TEST PART REX10-6 ALPHA 2.00 40 5.50 -2.00 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 4T

POINT	X	M	VM	PT	Q	IT	ML	VNL/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	ENL
2	10.500	1.021	1058.89	1403.7	527.7	81.7	1.087	1.053	1.000	-0.106	1.052	-0.003	0.040	2.16	-0.16
3	11.000	1.022	1060.40	1404.3	528.7	81.7	1.089	1.038	1.000	-0.075	1.037	0.000	0.036	2.09	0.01
4	11.500	1.023	1061.02	1405.1	529.4	81.5	0.989	0.972	1.000	0.057	0.971	0.012	0.032	1.86	0.78
5	12.000	1.022	1060.36	1404.4	528.7	81.6	0.967	0.955	1.000	0.092	0.954	0.017	0.030	1.80	1.04
6	12.500	1.025	1062.44	1403.4	529.4	81.6	0.943	0.933	1.000	0.135	0.932	0.022	0.029	1.76	1.34
7	13.000	1.023	1060.64	1403.4	528.6	81.5	0.941	0.933	1.001	0.137	0.932	0.026	0.027	1.67	1.60
8	13.500	1.022	1060.37	1403.0	529.0	81.5	0.938	0.930	1.001	0.141	0.929	0.028	0.024	1.49	1.74
9	14.000	1.024	1061.55	1404.2	529.2	81.6	0.936	0.928	1.001	0.145	0.927	0.030	0.019	1.20	1.88
10	14.500	1.024	1061.44	1403.6	529.0	81.6	0.938	0.930	1.001	0.143	0.929	0.031	0.014	0.89	1.89
11	15.000	1.025	1062.53	1405.5	530.3	81.4	0.940	0.930	1.000	0.141	0.929	0.028	0.011	0.65	1.73
12	15.500	1.025	1062.51	1404.7	529.9	81.5	0.944	0.933	1.001	0.135	0.933	0.024	0.009	0.57	1.45
13	16.000	1.024	1061.79	1403.5	529.2	81.4	0.973	0.958	1.001	0.086	0.958	0.019	0.010	0.61	1.13
14	16.500	1.026	1063.74	1403.8	530.1	81.7	0.999	0.978	1.001	0.045	0.978	0.016	0.014	0.84	0.91
15	17.000	1.028	1065.62	1405.5	531.6	81.7	1.041	1.010	1.000	-0.021	1.010	0.013	0.025	1.41	0.76
16	17.500	1.027	1064.42	1404.9	530.9	81.5	1.094	1.052	1.001	-0.104	1.052	0.013	0.037	2.01	0.72
17	18.000	1.026	1063.57	1405.2	530.6	81.6	1.143	1.091	0.999	-0.182	1.090	0.011	0.055	2.87	0.60
18	18.500	1.028	1064.99	1403.7	530.6	81.7	1.169	1.110	0.998	-0.220	1.108	0.011	0.067	3.48	0.58
19	19.000	1.030	1066.58	1405.6	532.2	81.5	0.942	0.928	0.996	0.138	0.927	0.021	0.028	1.73	1.32

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPOULSION WIND TUNNEL
 TC-484 292 2.999 2.00 48 5.50 -1.50 4-240 TRANSONIC 42

POINT	X	M	VW	PT	O	TT	PL	VHL/VH	FTL/PT	CPL	UL/VP	VL/VP	HL/VP	AAL	SWL
1	10.500	1.023	1060.87	1405.2	529.3	81.6	1.085	1.049	0.999	-0.099	1.048	-0.003	0.039	2.13	-0.16
2	11.000	1.023	1061.13	1405.3	529.5	81.5	1.061	1.030	1.000	-0.060	1.029	0.002	0.036	2.10	0.09
3	11.500	1.023	1060.90	1403.9	528.8	81.6	0.987	0.971	1.000	0.058	0.970	0.013	0.033	1.97	0.78
4	12.000	1.024	1061.79	1403.5	529.0	81.7	0.970	0.956	1.001	0.089	0.955	0.019	0.032	1.94	1.15
5	12.500	1.024	1061.86	1404.2	529.5	81.4	0.960	0.947	1.001	0.106	0.946	0.024	0.032	1.93	1.47
6	13.000	1.025	1062.56	1404.8	529.9	81.6	0.942	0.931	1.001	0.139	0.930	0.030	0.030	1.85	1.83
7	13.500	1.025	1062.33	1405.5	530.2	81.4	0.936	0.927	1.000	0.146	0.926	0.036	0.027	1.68	2.11
8	14.000	1.025	1062.56	1404.4	529.8	81.5	0.934	0.925	1.001	0.151	0.924	0.038	0.020	1.26	2.33
9	14.500	1.025	1062.65	1404.2	529.7	81.6	0.934	0.925	1.001	0.151	0.924	0.038	0.012	0.74	2.33
10	15.000	1.026	1063.31	1404.5	530.2	81.5	0.937	0.927	1.001	0.149	0.926	0.033	0.006	0.39	2.02
11	15.500	1.026	1063.62	1405.3	530.7	81.5	0.942	0.931	1.001	0.139	0.930	0.026	0.004	0.26	1.62
12	16.000	1.026	1063.56	1404.6	530.3	81.6	0.974	0.957	1.001	0.087	0.957	0.020	0.006	0.36	1.17
13	16.500	1.025	1062.88	1403.1	529.5	81.5	1.004	0.983	1.001	0.036	0.983	0.015	0.012	0.71	0.90
14	17.000	1.025	1063.95	1403.8	530.3	81.4	1.059	1.026	1.001	-0.050	1.026	0.013	0.025	1.41	0.72
15	17.500	1.025	1064.55	1404.0	530.6	81.6	1.124	1.076	1.000	-0.151	1.075	0.013	0.043	2.28	0.70
16	18.000	1.025	1064.50	1404.1	530.5	81.8	1.178	1.117	0.999	-0.232	1.114	0.010	0.067	3.42	0.54
17	18.500	1.025	1065.72	1405.1	531.5	81.7	1.109	1.063	0.996	-0.130	1.062	0.019	0.044	2.37	1.05
18	19.000	1.025	1065.41	1404.5	531.3	81.4	0.938	0.926	0.996	0.142	0.925	0.024	0.024	1.46	1.48

TEST PART RFX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 293 2.927 2.00 48 5.50 -1.00 4-241 2-3-77 TRANSONIC 47

POINT	X	M	VM	PT	Q	TT	ML	VM/VH	PTL/PT	CPL	UL/VH	VL/VH	HL/VH	ABL	SWL
1	10.500	1.022	1060.10	1403.9	528.5	81.5	1.083	1.048	1.000	-0.097	1.048	-0.002	0.039	2.13	-0.13
2	11.000	1.026	1063.26	1404.6	530.2	81.7	1.070	1.035	1.000	-0.070	1.034	0.000	0.038	2.12	0.02
3	11.500	1.025	1062.23	1405.5	530.1	81.5	0.990	0.971	0.999	0.056	0.971	0.014	0.035	2.07	0.81
4	12.000	1.025	1062.21	1404.7	529.8	81.5	0.971	0.956	1.000	0.089	0.955	0.021	0.035	2.08	1.28
5	12.500	1.024	1062.15	1404.4	529.6	81.7	0.945	0.934	1.000	0.132	0.933	0.026	0.035	2.17	1.61
6	13.000	1.025	1063.00	1404.3	529.9	81.7	0.940	0.930	1.001	0.141	0.929	0.033	0.035	2.19	2.03
7	13.500	1.025	1062.62	1404.9	530.1	81.5	0.935	0.926	1.001	0.150	0.924	0.042	0.032	1.97	2.61
8	14.000	1.024	1061.88	1403.1	529.0	81.5	0.926	0.919	1.001	0.164	0.918	0.050	0.021	1.29	3.09
9	14.500	1.025	1062.43	1405.7	530.3	81.5	0.924	0.916	1.000	0.168	0.915	0.048	0.005	0.33	3.01
10	15.000	1.028	1065.01	1404.7	531.1	81.5	0.929	0.919	1.001	0.163	0.918	0.039	-0.004	-0.25	2.42
11	15.500	1.024	1062.65	1404.2	529.8	81.6	0.938	0.928	1.001	0.145	0.928	0.029	-0.005	-0.31	1.79
12	16.000	1.028	1065.02	1405.3	531.3	81.6	0.972	0.954	1.000	0.092	0.954	0.020	-0.001	-0.05	1.19
13	16.500	1.026	1063.65	1404.2	530.2	81.7	1.005	0.993	1.001	0.036	0.993	0.015	0.007	0.38	0.90
14	17.000	1.027	1063.90	1403.9	530.3	81.4	1.066	1.031	1.001	-0.061	1.031	0.012	0.022	1.21	0.69
15	17.500	1.028	1064.65	1404.0	530.7	81.4	1.164	1.105	1.000	-0.209	1.104	0.012	0.052	2.70	0.60
16	18.000	1.028	1065.95	1403.8	531.3	81.4	1.207	1.136	0.997	-0.272	1.133	0.012	0.080	4.06	0.59
17	18.500	1.028	1064.71	1404.7	531.0	81.5	0.980	0.961	0.993	0.067	0.961	0.023	0.037	1.62	1.35
18	19.000	1.028	1065.30	1404.1	531.1	81.4	0.942	0.930	0.997	0.136	0.929	0.026	0.020	1.26	1.59

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE 2-3-77 AEDC PROPUSSION WIND TUNNEL
 IC-484 260 2.995 2.00 66 7.00 -5.00 4-208 TRANSONIC 4T

POINT	X	M	VM	PI	Q	TT	ML	VML/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SHL
1	10.500	1.022	1060.15	1402.8	528.1	81.4	1.068	1.036	1.000	-0.072	1.036	0.000	0.034	1.86	0.02
2	11.000	1.024	1061.29	1405.0	529.5	81.5	1.083	1.047	1.000	-0.094	1.046	-0.002	0.036	1.97	-0.13
3	11.500	1.022	1060.23	1404.7	528.8	81.5	1.089	1.053	1.000	-0.105	1.052	-0.004	0.038	2.09	-0.24
4	12.000	1.022	1060.11	1403.3	528.3	81.4	1.027	1.004	1.000	-0.008	1.003	0.002	0.032	1.85	0.11
5	12.500	1.025	1062.41	1403.3	529.4	81.4	0.973	0.957	1.000	0.085	0.957	0.009	0.027	1.59	0.56
6	13.000	1.024	1061.91	1405.8	530.1	81.4	0.962	0.949	1.000	0.101	0.949	0.012	0.024	1.47	0.73
7	13.500	1.024	1061.67	1404.0	529.3	81.4	0.959	0.946	1.001	0.109	0.946	0.013	0.024	1.43	0.81
8	14.000	1.023	1060.77	1403.8	528.8	81.4	0.959	0.947	1.001	0.108	0.947	0.014	0.023	1.38	0.83
9	14.500	1.025	1062.62	1403.7	529.6	81.4	0.945	0.934	1.001	0.134	0.933	0.014	0.022	1.38	0.88
10	15.000	1.025	1062.71	1403.5	529.6	81.4	0.960	0.947	1.001	0.107	0.946	0.014	0.021	1.28	0.87
11	15.500	1.027	1063.77	1403.8	530.2	81.4	0.966	0.950	1.001	0.100	0.950	0.014	0.021	1.27	0.86
12	16.000	1.026	1063.52	1404.3	530.3	81.4	0.969	0.954	1.001	0.094	0.953	0.014	0.021	1.27	0.84
13	16.500	1.027	1063.97	1404.4	530.5	81.5	0.978	0.961	1.001	0.079	0.960	0.013	0.022	1.31	0.78
14	17.000	1.027	1064.23	1405.1	530.8	81.7	0.990	0.970	1.000	0.060	0.970	0.012	0.024	1.40	0.72
16	17.500	1.028	1064.86	1404.6	531.1	81.4	1.009	0.985	1.000	0.031	0.984	0.011	0.028	1.61	0.66
17	18.000	1.028	1064.87	1404.4	531.0	81.3	1.027	0.999	1.001	0.003	0.998	0.010	0.032	1.82	0.60
18	18.500	1.029	1065.46	1403.6	531.0	81.4	1.045	1.014	1.000	-0.026	1.013	0.009	0.036	2.06	0.53
19	19.000	1.029	1065.62	1404.3	531.3	81.4	1.066	1.029	1.000	-0.059	1.028	0.008	0.042	2.33	0.43

TEST PAPT REX10-6
TC-484 282 2.998

ALFA 2.00
WING 48

Y 7.00
Z -4.00

RUN SURVEY
4-230

DATE
2-3-77

AEDC PROPULSION WIND TUNNEL
TRANSONIC 42

PRINT	X	M	Y	PT	Q	IT	ML	VNL/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	ABL	SML
1	10.500	1.022	1059.91	1404.3	528.5	81.5	1.077	1.044	1.000	-0.087	1.043	-0.002	0.035	1.92	-0.10
2	11.000	1.023	1060.57	1405.2	529.2	81.6	1.092	1.055	1.000	-0.110	1.054	-0.005	0.037	2.04	-0.25
3	11.500	1.022	1060.34	1405.9	529.4	81.5	1.078	1.044	0.999	-0.089	1.044	-0.003	0.037	2.03	-0.19
4	12.000	1.022	1060.34	1403.6	526.4	81.6	0.997	0.979	1.001	0.043	0.979	0.006	0.029	1.72	0.38
5	12.500	1.024	1061.65	1404.0	529.2	81.6	0.963	0.950	1.000	0.099	0.950	0.012	0.027	1.60	0.78
6	13.000	1.024	1062.05	1404.2	529.5	81.6	0.962	0.949	1.001	0.104	0.948	0.014	0.025	1.52	0.86
7	13.500	1.025	1062.42	1405.1	530.0	81.5	0.980	0.947	1.001	0.108	0.946	0.015	0.024	1.46	0.93
8	14.000	1.026	1063.51	1404.5	530.3	81.5	0.959	0.945	1.001	0.111	0.944	0.017	0.023	1.42	1.00
9	14.500	1.025	1062.40	1404.1	529.6	81.7	0.959	0.946	1.001	0.109	0.945	0.017	0.022	1.36	1.01
10	15.000	1.025	1062.86	1404.8	529.9	81.9	0.980	0.947	1.000	0.106	0.946	0.017	0.022	1.31	1.08
11	15.500	1.026	1063.64	1406.7	531.0	81.9	0.966	0.951	1.001	0.099	0.951	0.017	0.021	1.25	1.03
12	16.000	1.026	1063.48	1405.6	530.7	81.6	0.969	0.954	1.001	0.095	0.953	0.016	0.020	1.22	0.96
13	16.500	1.025	1062.69	1403.3	529.5	81.4	0.981	0.964	1.001	0.074	0.964	0.015	0.021	1.26	0.90
14	17.000	1.026	1063.48	1403.1	529.8	81.5	1.000	0.979	1.001	0.044	0.978	0.014	0.025	1.44	0.79
15	17.500	1.028	1064.82	1405.3	531.2	81.5	1.025	0.998	1.000	0.005	0.997	0.013	0.030	1.70	0.73
16	18.000	1.028	1065.12	1405.3	531.3	81.6	1.046	1.014	1.000	-0.028	1.014	0.012	0.035	1.99	0.65
17	18.500	1.029	1065.82	1405.1	531.6	81.5	1.069	1.032	1.000	-0.063	1.031	0.009	0.042	2.32	0.51
18	19.000	1.027	1064.33	1403.0	530.1	81.5	1.098	1.056	1.001	-0.111	1.055	0.006	0.051	2.75	0.33

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 TC-484 293 2.999 2.00 49 7.00 -3.99 4-231 TRANSONIC 47

POINT	X	M	VM	PT	O	TT	ML	YML/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SML
2	10.500	1.022	1059.47	1404.6	528.5	81.4	1.086	1.052	1.000	-0.103	1.051	-0.003	0.036	1.97	-0.18
3	11.000	1.023	1060.73	1405.3	529.3	81.5	1.095	1.057	1.000	-0.114	1.056	-0.005	0.038	2.04	-0.29
4	11.500	1.022	1060.36	1404.4	528.7	81.6	1.059	1.027	1.000	-0.055	1.027	-0.000	0.034	1.90	-0.01
5	12.000	1.023	1060.81	1404.7	529.0	81.7	0.981	0.966	1.000	0.068	0.965	0.010	0.029	1.71	0.62
6	12.500	1.023	1061.71	1405.1	529.5	82.0	0.963	0.950	1.000	0.100	0.950	0.015	0.028	1.66	0.89
7	13.000	1.023	1061.09	1406.0	529.6	81.8	0.961	0.950	1.001	0.102	0.949	0.017	0.026	1.60	1.05
8	13.500	1.024	1062.19	1406.2	530.2	81.8	0.944	0.934	1.001	0.133	0.933	0.019	0.026	1.59	1.15
9	14.000	1.024	1061.71	1404.9	529.5	81.7	0.943	0.933	1.001	0.134	0.933	0.020	0.025	1.54	1.24
10	14.500	1.024	1061.74	1403.6	529.1	81.6	0.943	0.933	1.001	0.134	0.933	0.021	0.024	1.45	1.31
11	15.000	1.026	1062.90	1404.1	529.9	81.4	0.944	0.933	1.000	0.135	0.932	0.022	0.022	1.35	1.34
12	15.500	1.026	1063.41	1404.9	530.3	81.7	0.961	0.947	1.001	0.108	0.946	0.022	0.020	1.21	1.35
13	16.000	1.026	1064.11	1405.3	530.6	82.1	0.967	0.951	1.001	0.099	0.951	0.021	0.019	1.14	1.26
14	16.500	1.026	1063.98	1405.6	530.9	81.7	0.985	0.966	1.001	0.069	0.966	0.019	0.020	1.21	1.14
15	17.000	1.026	1063.77	1402.5	529.6	81.7	1.015	0.991	1.002	0.021	0.990	0.017	0.026	1.49	1.01
16	17.500	1.027	1064.29	1403.5	530.2	81.7	1.044	1.014	1.001	-0.026	1.013	0.016	0.033	1.86	0.92
17	18.000	1.029	1065.70	1404.3	531.2	81.6	1.072	1.034	1.000	-0.068	1.033	0.014	0.041	2.27	0.78
18	18.500	1.027	1064.48	1405.6	531.2	81.6	1.105	1.061	1.000	-0.122	1.060	0.010	0.051	2.76	0.54
19	19.000	1.028	1064.60	1404.1	530.7	81.5	1.129	1.080	0.999	-0.159	1.078	0.007	0.059	3.14	0.36

TEST PART PEX10-6 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC POPULATION WIND TUNNEL
TC-484 204 2.997 2.00 4 7.00 -2.00 4-232 TRANSONIC AT

POINT	X	M	YH	PT	Q	IT	ML	YHL/VH	PTL/PI	CPL	UL/VH	VL/VH	WL/VH	AAL	SML
1	10.500	1.023	1060.71	1404.7	529.0	81.7	1.095	1.058	1.000	-0.115	1.057	-0.005	0.035	1.92	-0.28
2	11.000	1.022	1059.74	1403.8	528.2	81.7	1.093	1.057	1.000	-0.113	1.056	-0.006	0.036	1.97	-0.31
3	11.500	1.024	1061.86	1404.6	529.6	81.5	1.051	1.021	1.000	-0.044	1.021	0.001	0.033	1.87	0.06
4	12.000	1.024	1061.51	1404.5	529.4	81.7	0.983	0.967	1.000	0.066	0.966	0.011	0.030	1.78	0.65
5	12.500	1.024	1061.70	1404.1	529.3	81.6	0.965	0.952	1.001	0.097	0.951	0.017	0.029	1.75	1.00
6	13.000	1.025	1062.32	1405.1	530.0	81.5	0.959	0.946	1.000	0.108	0.946	0.019	0.029	1.78	1.18
7	13.500	1.025	1062.20	1404.1	529.5	81.6	0.945	0.934	1.001	0.133	0.933	0.022	0.028	1.79	1.35
8	14.000	1.024	1062.01	1404.7	529.6	81.7	0.943	0.933	1.001	0.135	0.933	0.024	0.028	1.73	1.50
9	14.500	1.026	1062.97	1404.8	530.2	81.5	0.941	0.931	1.000	0.139	0.930	0.027	0.027	1.64	1.64
10	15.000	1.026	1063.01	1404.7	530.2	81.5	0.942	0.931	1.001	0.139	0.930	0.029	0.029	1.44	1.78
11	15.500	1.028	1064.64	1405.4	531.2	81.5	0.942	0.930	1.000	0.140	0.929	0.029	0.019	1.17	1.79
12	16.000	1.026	1063.67	1405.2	530.6	81.6	0.960	0.946	1.001	0.109	0.945	0.027	0.016	0.99	1.61
13	16.500	1.027	1063.80	1403.9	530.3	81.4	0.993	0.972	1.001	0.057	0.972	0.024	0.018	1.06	1.42
14	17.000	1.027	1063.94	1403.6	530.2	81.5	1.047	1.016	1.002	-0.031	1.016	0.023	0.029	1.62	1.29
15	17.500	1.028	1064.96	1404.4	531.0	81.5	1.077	1.039	1.000	-0.077	1.038	0.021	0.038	2.11	1.14
16	18.000	1.028	1064.73	1405.5	531.3	81.5	1.114	1.068	0.999	-0.136	1.067	0.016	0.050	2.71	0.84
17	18.500	1.028	1065.19	1403.7	530.7	81.7	1.166	1.107	0.999	-0.213	1.105	0.008	0.072	3.74	0.42
18	19.000	1.028	1065.16	1404.6	531.2	81.4	1.002	0.978	0.997	0.039	0.978	0.018	0.038	2.22	1.97

TEST PART NEXIO-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 294 2.925 2.00 44 7.00 -1.50 4-242 20-3-77 TRANSONIC 47

POINT	X	H	VP	PT	Q	IT	FL	VNL/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
1	10.500	1.022	1060.38	1403.3	528.3	81.6	1.098	1.050	1.001	-0.118	1.059	-0.007	0.036	1.94	-0.36
2	11.000	1.023	1060.92	1405.1	529.2	81.7	1.092	1.055	1.000	-0.110	1.054	-0.006	0.036	1.96	-0.34
3	11.500	1.023	1060.91	1404.7	529.1	81.6	1.042	1.015	1.000	-0.030	1.015	0.002	0.033	1.88	0.12
4	12.000	1.023	1060.39	1403.5	528.5	81.5	0.978	0.963	1.001	0.074	0.963	0.012	0.031	1.83	0.72
5	12.500	1.023	1061.11	1404.5	529.2	81.4	0.965	0.952	1.000	0.096	0.951	0.016	0.031	1.87	0.99
6	13.000	1.023	1060.87	1404.8	529.2	81.4	0.961	0.949	1.001	0.102	0.949	0.020	0.032	1.91	1.19
7	13.500	1.024	1061.70	1404.3	529.3	81.6	0.943	0.934	1.001	0.134	0.933	0.023	0.032	1.93	1.39
8	14.000	1.024	1061.84	1403.4	529.1	81.5	0.942	0.932	1.001	0.138	0.931	0.026	0.031	1.92	1.59
9	14.500	1.024	1061.69	1403.9	529.1	81.7	0.940	0.931	1.001	0.139	0.930	0.030	0.029	1.80	1.86
10	15.000	1.025	1063.01	1404.7	530.1	81.7	0.939	0.929	1.001	0.144	0.928	0.034	0.026	1.57	2.11
11	15.500	1.024	1064.03	1405.9	531.0	81.8	0.938	0.927	1.001	0.147	0.926	0.035	0.019	1.15	2.18
12	16.000	1.023	1062.56	1404.4	529.9	81.4	0.943	0.932	1.002	0.138	0.931	0.031	0.012	0.72	1.93
13	16.500	1.026	1063.31	1404.3	530.2	81.4	1.000	0.979	1.001	0.043	0.979	0.028	0.015	0.89	1.64
14	17.000	1.026	1063.49	1403.3	529.9	81.4	1.061	1.028	1.002	-0.054	1.027	0.027	0.029	1.62	1.51
15	17.500	1.027	1064.13	1402.8	530.0	81.5	1.098	1.056	1.000	-0.112	1.055	0.024	0.042	2.29	1.30
16	18.000	1.028	1065.27	1404.8	531.3	81.4	1.151	1.096	1.000	-0.191	1.094	0.017	0.062	3.22	0.87
17	18.500	1.028	1064.66	1404.2	530.8	81.3	1.162	1.104	0.997	-0.209	1.102	0.011	0.066	3.44	0.60
18	19.000	1.029	1065.79	1403.5	531.1	81.4	0.944	0.930	0.995	0.133	0.929	0.024	0.033	2.04	1.51

TEST PIAT MEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 XC-404 295 3.000 2.00 4N 7.00 -1.00 9-243 2-3-77 TRANSONIC 45

POINT	X	M	VM	PT	Q	TT	PL	VPL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
1	10.500	1.022	1059.78	1405.2	528.9	81.4	1.099	1.061	1.000	-0.123	1.061	-0.007	0.036	1.95	-0.38
2	11.000	1.023	1060.51	1403.0	528.4	81.4	1.090	1.054	1.000	-0.107	1.053	-0.006	0.034	1.95	-0.33
3	11.500	1.023	1060.80	1403.9	528.8	81.5	1.042	1.015	1.000	-0.031	1.015	0.003	0.034	1.91	0.15
4	12.000	1.024	1062.03	1405.9	530.0	81.9	0.977	0.962	1.000	0.076	0.961	0.013	0.032	1.91	0.75
5	12.500	1.024	1061.63	1405.7	528.7	81.8	0.967	0.953	1.001	0.094	0.953	0.017	0.033	1.97	1.02
6	13.000	1.024	1061.82	1405.3	529.7	81.7	0.960	0.947	1.001	0.107	0.946	0.020	0.034	2.07	1.23
7	13.500	1.025	1062.61	1404.9	529.9	81.9	0.943	0.933	1.000	0.135	0.932	0.023	0.035	2.15	1.44
8	14.000	1.025	1063.04	1406.1	530.6	81.7	0.942	0.932	1.001	0.138	0.931	0.028	0.036	2.21	1.71
9	14.500	1.025	1062.47	1405.2	530.1	81.6	0.940	0.930	1.001	0.142	0.928	0.034	0.035	2.18	2.09
10	15.000	1.023	1061.22	1402.4	528.4	81.6	0.934	0.926	1.001	0.150	0.925	0.042	0.029	1.83	2.62
11	15.500	1.025	1062.61	1404.3	529.9	81.4	0.929	0.921	1.001	0.160	0.920	0.046	0.016	0.97	2.84
12	16.000	1.026	1063.38	1405.4	530.6	81.5	0.934	0.924	1.001	0.153	0.924	0.039	0.004	0.26	2.39
13	16.500	1.027	1064.08	1402.7	529.9	81.5	1.007	0.994	1.002	0.035	0.983	0.034	0.008	0.49	2.00
14	17.000	1.026	1063.72	1405.3	530.7	81.5	1.056	1.024	1.000	-0.047	1.023	0.033	0.022	1.23	1.86
15	17.500	1.027	1063.86	1404.4	530.5	81.3	1.131	1.081	1.000	-0.162	1.080	0.028	0.048	2.56	1.50
16	18.000	1.027	1064.17	1402.3	529.9	81.4	1.193	1.128	0.999	-0.254	1.125	0.018	0.080	4.07	0.71
17	18.500	1.028	1065.40	1403.4	531.0	81.5	1.043	1.012	0.994	-0.031	1.011	0.021	0.038	2.18	1.19
18	19.000	1.028	1064.85	1403.8	530.8	81.3	0.975	0.957	0.996	0.081	0.956	0.033	0.031	1.85	2.00

TEST PART DEXIO-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 TC-484 296 2.096 2.00 48 -4.00 -3.00 4-244 2-3-77 TRANSONIC 41

POINT	X	M	Y4	PT	0	IT	ML	YML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AIL	SPL
2	11.000	1.021	1059.55	1404.0	529.2	81.6	1.073	1.041	1.000	-0.082	1.040	0.001	0.038	2.11	0.03
3	12.000	1.023	1061.17	1405.2	529.4	81.6	0.973	0.959	1.000	0.081	0.959	-0.009	0.026	1.55	-0.52
4	13.000	1.025	1062.79	1403.9	529.7	81.7	0.944	0.933	1.001	0.135	0.933	-0.012	0.021	1.30	-0.71
5	14.000	1.025	1062.82	1403.1	530.2	81.5	0.944	0.933	1.001	0.135	0.933	-0.012	0.019	1.17	-0.73
6	15.000	1.025	1062.44	1403.4	529.4	81.5	0.961	0.947	1.001	0.108	0.947	-0.011	0.018	1.06	-0.68
7	16.000	1.028	1062.07	1403.2	531.3	81.6	0.974	0.956	1.000	0.049	0.956	-0.010	0.019	1.13	-0.57
8	17.000	1.028	1064.96	1404.4	531.0	81.4	0.966	0.974	1.001	0.054	0.974	-0.008	0.024	1.39	-0.46
9	18.000	1.028	1064.94	1403.6	530.7	81.4	1.030	1.002	1.001	-0.003	1.001	-0.007	0.032	1.86	-0.31
10	19.000	1.027	1064.11	1404.5	530.7	81.4	1.085	1.046	1.000	-0.092	1.045	-0.008	0.046	2.54	-0.03

TEST PART AEX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 297 2.998 2.00 48 -4.00 -3.00 4-245 2-3-77 2

POINT	X	Y	M	VM	PT	Q	TT	HL	VHL/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SWL
1	11.000	1.023	1060.75	1404.2	528.9	81.5	1.033	1.008	1.000	1.000	-0.016	1.008	-0.003	0.035	1.96	-0.20
2	12.000	1.022	1060.45	1404.2	528.7	81.6	0.963	0.951	1.000	1.000	0.098	0.951	-0.014	0.024	1.45	-0.82
3	13.000	1.024	1061.66	1404.2	529.4	81.4	0.939	0.930	1.000	1.000	0.141	0.929	-0.016	0.018	1.11	-0.98
4	14.000	1.023	1061.23	1405.5	529.6	81.5	0.941	0.932	1.000	1.000	0.137	0.931	-0.015	0.013	0.79	-0.93
5	15.000	1.024	1061.62	1404.9	529.5	81.6	0.944	0.934	1.001	1.001	0.133	0.934	-0.012	0.011	0.67	-0.74
6	16.000	1.026	1063.25	1404.2	530.1	81.5	0.979	0.962	1.001	1.001	0.078	0.962	-0.008	0.014	0.83	-0.46
7	17.000	1.027	1064.54	1403.6	530.5	81.5	1.024	0.997	1.001	1.001	0.007	0.997	-0.004	0.026	1.47	-0.22
8	18.000	1.028	1065.28	1405.4	531.5	81.4	1.092	1.050	1.000	1.000	-0.101	1.049	-0.004	0.044	2.40	-0.23
9	19.000	1.028	1065.00	1403.9	530.8	81.6	1.007	0.983	0.999	0.999	0.032	0.983	-0.014	0.033	1.90	-0.81

TEST PART		ALFA		WING		Y		Z		RUN SURVEY		DATE		AEDC PROPULSION WIND TUNNEL					
TC-484		298		3.001		2.00		4.0		-1.00		2-3-77		TRANSONIC 47					
POINT	X	M	VM	PI	D	ST	ML	VM/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SUL				
1	11.000	1.023	1061.24	1406.1	529.8	81.7	0.901	0.974	1.000	0.051	0.973	-0.015	0.034	2.03	-0.90				
2	12.000	1.024	1061.26	1404.6	529.3	81.5	0.938	0.929	1.001	0.142	0.928	-0.033	0.030	1.87	-2.05				
3	13.000	1.023	1060.88	1402.9	528.5	81.4	0.918	0.913	1.001	0.176	0.912	-0.044	0.005	0.30	-2.79				
4	14.000	1.025	1062.85	1404.2	529.9	81.5	0.929	0.920	1.000	0.160	0.920	-0.031	-0.014	-0.84	-1.93				
5	15.000	1.026	1063.47	1405.2	530.6	81.4	0.942	0.931	1.001	0.140	0.930	-0.016	-0.011	-0.70	-0.98				
6	16.000	1.026	1063.17	1402.3	528.5	81.2	0.991	0.972	1.002	0.059	0.972	-0.006	0.001	0.08	-0.37				
7	17.000	1.027	1064.21	1401.8	529.7	81.3	1.078	1.040	1.000	-0.080	1.040	-0.000	0.030	1.66	-0.00				
8	18.000	1.029	1065.47	1405.0	531.5	81.4	1.104	1.059	0.996	-0.123	1.058	-0.015	0.044	2.39	-0.82				
9	19.000	1.027	1064.25	1404.0	530.5	81.4	0.981	0.962	1.000	0.076	0.962	-0.018	0.017	1.00	-1.08				

TEST PART REX10-6 ALPHA WING X 2 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
TC-484 299 2.997 2.00 48 -7.00 -5.00 4-247

POINT	X	M	VM	PT	Q	TT	ML	YML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	11.000	1.022	1059.34	1403.6	529.2	81.4	1.043	1.049	1.000	-0.098	1.048	0.003	0.045	2.46	0.18
2	12.000	1.023	1061.20	1404.3	529.1	81.6	1.028	1.004	1.000	-0.008	1.003	-0.002	0.041	2.33	-0.12
3	13.000	1.023	1060.96	1404.6	529.2	81.5	0.960	0.948	1.000	0.103	0.948	-0.012	0.034	2.05	-0.74
4	14.000	1.022	1060.08	1403.1	528.2	81.5	0.944	0.936	1.001	0.131	0.935	-0.015	0.032	1.96	-0.86
5	15.000	1.027	1064.16	1404.6	530.6	81.7	0.960	0.945	1.001	0.111	0.944	-0.015	0.031	1.86	-0.90
6	16.000	1.026	1063.44	1403.8	530.0	81.6	0.967	0.952	1.000	0.097	0.951	-0.014	0.030	1.79	-0.96
7	17.000	1.027	1064.31	1404.3	530.7	81.4	0.991	0.971	1.000	0.060	0.970	-0.013	0.032	1.89	-0.76
8	18.000	1.028	1064.86	1404.4	531.0	81.4	1.031	1.002	1.001	-0.004	1.002	-0.011	0.040	2.31	-0.50
9	19.000	1.028	1065.55	1404.2	531.1	81.7	1.080	1.041	1.001	-0.081	1.039	-0.008	0.053	2.94	-0.46

TEST PART		ALPHA	WING	Y	Z	RUN SURVEY		DATE		AEDC PROPULSION WIND TUNNEL					
TC-484 300		2.996	2.00	48	-7.00	-3.00	4-248	2-3-77	TRANSONIC 47						
POINT	X	M	V4	PT	Q	TT	HL	VHL/VH	PTL/PI	CPL	UL/VH	VL/VH	WL/VH	ABL	SWL
1	11.000	1.022	1059.89	1403.5	528.2	81.5	1.001	1.055	1.000	-0.109	1.054	0.007	0.044	2.38	0.36
2	12.000	1.022	1060.05	1403.8	528.5	81.4	0.985	0.970	1.000	0.061	0.969	-0.009	0.037	2.10	-0.53
3	13.000	1.024	1061.57	1405.0	529.6	81.4	0.958	0.946	1.001	0.108	0.945	-0.016	0.035	2.11	-0.98
4	14.000	1.024	1062.00	1404.1	529.4	81.7	0.943	0.933	1.000	0.134	0.932	-0.019	0.033	2.02	-1.19
5	15.000	1.026	1063.20	1404.1	529.9	81.7	0.943	0.932	1.001	0.136	0.932	-0.021	0.029	1.78	-1.32
6	16.000	1.027	1064.46	1404.8	530.7	81.8	0.965	0.949	1.000	0.102	0.949	-0.020	0.025	1.52	-1.23
7	17.000	1.027	1064.43	1405.5	531.1	81.5	1.018	0.993	1.001	0.015	0.992	-0.016	0.032	1.83	-0.95
8	18.000	1.027	1064.68	1403.1	530.3	81.7	1.048	1.048	1.001	-0.094	1.046	-0.013	0.051	2.79	-0.74
9	19.000	1.029	1066.29	1403.7	531.2	81.7	1.109	1.063	0.999	-0.126	1.061	-0.010	0.060	3.22	-0.82

TEST PART		REXIO-3	ALPHA	WING	Y	2	RUN SURVEY		DATE	AEDC PROPULSION WIND TUNNEL				
TC-484		301	2.999	2.00	46	-7.00	-1.00	4-249	2-3-77	TRANSONIC 4T				
POINT	X	M	VH	PT	Q	TT	HL	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	SWL
1	11.000	1.022	1060.36	1404.6	528.9	81.5	1.081	1.047	1.000	-0.094	1.046	0.005	0.043	0.27
2	12.000	1.024	1061.54	1403.6	529.1	81.5	0.977	0.962	1.000	0.076	0.961	-0.013	0.041	-0.78
3	13.000	1.024	1061.83	1405.3	529.9	81.4	0.962	0.949	1.000	0.102	0.948	-0.022	0.044	-1.31
4	14.000	1.025	1062.78	1403.1	529.5	81.5	0.941	0.931	1.001	0.140	0.929	-0.029	0.045	-1.90
5	15.000	1.027	1063.90	1403.9	530.3	81.5	0.931	0.921	1.001	0.158	0.920	-0.046	0.036	-2.88
6	16.000	1.026	1063.74	1403.6	530.0	81.6	0.933	0.923	1.001	0.156	0.922	-0.040	0.008	-2.81
7	17.000	1.028	1065.01	1404.7	531.1	81.5	1.095	1.053	1.000	-0.106	1.052	-0.035	0.034	-1.99
8	18.000	1.030	1066.50	1404.1	531.7	81.5	1.194	1.126	0.997	-0.253	1.123	-0.021	0.084	-1.09
9	19.000	1.028	1065.10	1404.1	531.0	81.4	0.984	0.965	0.998	0.068	0.963	-0.040	0.035	-2.36

0.000 - 4.14

TEST PART		REX10-6		ALFA		WING		DUN SURVEY		DATE		AEDC POPULATION WIND TUNNEL		TRANSMIC 02	
IC-484		309		2.997		2.91		48		2-3-77		2-3-77			
POINT	XT	N	YM	PT	Q	TT	ML	VHL/VH	PIL/PT	CPL	UT/VH	VT/VH	WT/VH	AATL	SWTL
4	-6.000	1.024	1062.24	1397.6	527.8	80.0	0.975	0.959	1.001	0.085	0.958	-0.001	-0.006	-0.35	-0.05
5	-6.000	1.024	1059.23	1396.2	526.5	78.8	0.974	0.959	1.001	0.085	0.959	-0.000	-0.006	-0.35	-0.03
6	-6.000	1.025	1059.70	1391.9	525.1	78.6	0.975	0.959	1.001	0.084	0.959	-0.001	-0.006	-0.35	-0.03
12	-6.000	1.024	1062.34	1396.0	527.8	78.8	0.994	0.973	1.001	0.084	0.973	0.001	0.008	0.49	0.08
13	-5.500	1.024	1062.17	1395.1	527.4	78.8	0.993	0.973	1.001	0.057	0.972	0.001	0.008	0.48	0.08
14	-5.000	1.026	1061.09	1394.4	526.6	78.8	0.992	0.972	1.001	0.058	0.972	0.001	0.009	0.50	0.05
15	-4.500	1.027	1061.31	1395.6	527.2	78.9	0.991	0.972	1.001	0.057	0.972	0.001	0.009	0.51	0.06
16	-4.000	1.025	1060.29	1396.7	527.1	78.9	0.991	0.972	1.000	0.056	0.972	0.001	0.009	0.51	0.07
17	-3.500	1.024	1059.44	1396.6	526.8	78.8	0.990	0.972	1.001	0.058	0.972	0.001	0.008	0.48	0.08
18	-3.000	1.023	1058.36	1395.5	525.8	78.8	0.988	0.972	1.001	0.058	0.972	0.001	0.008	0.47	0.07
19	-2.500	1.023	1058.28	1394.0	525.1	78.8	0.989	0.972	1.001	0.057	0.972	0.001	0.008	0.46	0.06
20	-2.000	1.024	1059.20	1395.0	525.9	78.9	0.990	0.972	1.001	0.057	0.972	0.001	0.008	0.46	0.08
21	-1.500	1.024	1059.34	1396.8	526.8	78.9	0.987	0.969	1.001	0.062	0.969	0.001	0.007	0.42	0.06
22	-1.000	1.023	1059.29	1396.9	526.2	78.9	0.983	0.967	1.001	0.067	0.967	0.001	0.006	0.36	0.08
23	-0.500	1.024	1059.00	1394.8	525.7	78.9	0.979	0.963	1.001	0.076	0.963	0.001	0.005	0.32	0.08
24	0.000	1.024	1058.71	1395.2	525.8	78.9	0.979	0.964	1.000	0.073	0.964	0.002	0.004	0.24	0.09
25	0.500	1.023	1058.00	1395.4	525.5	78.0	0.979	0.964	1.001	0.073	0.964	0.001	0.003	0.19	0.08
26	1.000	1.024	1059.10	1397.3	526.6	79.1	0.980	0.964	1.001	0.071	0.965	0.001	0.002	0.13	0.08
27	1.500	1.022	1057.63	1396.6	525.7	79.1	0.980	0.965	1.001	0.071	0.965	0.001	0.001	0.05	0.08
28	2.000	1.023	1058.20	1395.2	525.5	78.9	0.982	0.967	1.001	0.068	0.967	0.001	-0.000	-0.00	0.07
29	2.500	1.024	1059.46	1395.1	526.1	78.9	0.981	0.966	1.001	0.072	0.966	0.001	-0.001	-0.08	0.06
30	3.000	1.023	1058.30	1395.0	525.4	79.0	0.981	0.966	1.001	0.069	0.966	0.001	-0.002	-0.13	0.07
31	3.500	1.023	1058.97	1393.6	525.1	79.1	0.982	0.966	1.001	0.069	0.966	0.001	-0.003	-0.17	0.08
32	4.000	1.025	1060.50	1394.6	526.3	79.1	0.985	0.967	1.001	0.067	0.967	0.001	-0.004	-0.24	0.08
33	4.500	1.025	1059.89	1399.4	527.8	79.1	0.986	0.969	1.001	0.064	0.969	0.001	-0.005	-0.27	0.07
34	5.000	1.023	1058.65	1397.2	526.5	78.9	0.987	0.970	1.002	0.063	0.970	0.001	-0.005	-0.29	0.06
35	5.500	1.024	1059.19	1394.2	525.6	79.0	0.990	0.972	1.001	0.057	0.972	0.001	-0.005	-0.30	0.06
36	6.000	1.024	1059.37	1395.7	526.2	79.0	0.993	0.975	1.001	0.051	0.975	0.001	-0.005	-0.32	0.07
37	6.500	1.025	1060.19	1399.2	528.0	78.9	0.996	0.976	1.001	0.049	0.976	0.001	-0.005	-0.31	0.06
38	7.000	1.023	1058.35	1395.3	525.6	79.0	0.992	0.975	1.001	0.053	0.975	0.001	-0.005	-0.30	0.08
39	7.500	1.023	1058.16	1393.4	524.7	79.1	0.996	0.979	1.001	0.044	0.979	0.001	-0.004	-0.25	0.08
40	8.000	1.025	1059.97	1395.9	526.6	79.0	1.002	0.982	1.001	0.038	0.982	0.001	-0.003	-0.19	0.08
41	8.500	1.026	1060.93	1399.1	528.2	79.1	1.005	0.983	1.001	0.035	0.983	0.001	-0.002	-0.14	0.07
42	9.000	1.023	1058.11	1395.8	525.6	79.1	1.005	0.983	1.002	0.027	0.988	0.001	-0.002	-0.07	0.06
43	9.500	1.023	1058.26	1393.4	524.8	79.1	1.012	0.991	1.001	0.020	0.991	0.001	-0.000	-0.00	0.05
44	10.000	1.025	1060.43	1396.4	527.0	79.0	1.017	0.993	1.000	0.013	0.993	0.001	0.001	0.07	0.07
45	10.500	1.025	1060.30	1396.6	527.8	79.0	1.023	0.998	1.001	0.004	0.998	0.001	0.003	0.19	0.06
46	11.000	1.024	1059.49	1399.4	527.7	79.0	1.027	1.002	1.001	-0.003	1.002	0.001	0.005	0.29	0.08
47	11.500	1.022	1059.03	1394.1	524.9	79.1	1.028	1.004	1.001	-0.007	1.004	0.001	0.008	0.43	0.06
48	12.000	1.023	1054.57	1393.4	525.0	79.0	1.034	1.009	1.001	-0.017	1.009	0.001	0.010	0.56	0.06
49	12.500	1.024	1060.66	1397.6	527.5	79.1	1.040	1.011	1.000	-0.023	1.011	0.001	0.011	0.64	0.08
50	13.000	1.027	1061.70	1397.1	527.8	79.1	1.030	1.003	1.001	-0.005	1.003	0.002	0.011	0.83	0.09
51	13.500	1.025	1060.58	1396.3	527.0	79.1	0.974	0.958	1.001	0.005	0.958	0.002	0.005	0.28	0.10
52	14.000	1.027	1062.08	1395.9	527.5	79.1	0.945	0.932	1.001	0.137	0.932	0.001	0.002	0.15	0.08

TEST PART MEX10-6 ALPHA WING 2.01 44-10.00 -10.00 21 RUN SURVEY 5-903 DATE 2-3-77 AEDC PRODUCTION WIND TUNNEL TRANSONIC 4T

0.00 -14.14

POINT	XT	HT	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	EMTL
53	14.500	1.026	1061.39	1396.7	527.5	79.1	0.944	0.933	1.000	0.135	0.933	0.001	0.001	0.09	0.09
54	15.000	1.028	1062.43	1395.8	527.6	79.1	0.940	0.944	1.001	0.112	0.944	0.002	0.001	0.07	0.09
55	15.500	1.028	1062.73	1396.0	527.9	79.1	0.944	0.948	1.001	0.105	0.948	0.002	0.001	0.05	0.10
56	16.000	1.027	1061.68	1396.1	527.5	79.1	0.949	0.953	1.001	0.096	0.953	0.001	0.000	0.02	0.08
57	16.500	1.027	1061.74	1396.8	527.7	79.1	0.975	0.958	1.000	0.086	0.958	0.001	0.000	0.00	0.08
58	17.000	1.025	1060.47	1396.1	526.9	79.2	0.940	0.963	1.001	0.076	0.963	0.001	-0.000	-0.01	0.08
59	17.500	1.027	1062.56	1395.3	527.4	79.4	0.983	0.983	1.001	0.074	0.983	0.001	-0.000	-0.01	0.07
60	18.000	1.027	1061.55	1397.2	527.7	79.2	0.949	0.970	1.001	0.062	0.970	0.001	0.000	0.02	0.07
61	18.500	1.025	1060.42	1396.0	526.7	79.2	0.993	0.974	1.001	0.053	0.974	0.001	0.001	0.05	0.08
62	19.000	1.027	1062.08	1396.3	527.6	79.3	0.998	0.976	1.000	0.048	0.976	0.001	0.001	0.08	0.06
63	19.500	1.027	1061.96	1397.4	528.0	79.1	1.006	0.993	1.001	0.035	0.993	0.001	0.003	0.15	0.07
64	20.000	1.023	1059.99	1394.8	525.6	79.3	1.011	0.990	1.001	0.022	0.990	0.001	0.004	0.24	0.08
65	20.500	1.025	1060.59	1396.7	527.0	79.3	1.023	0.998	1.001	0.005	0.998	0.001	0.006	0.33	0.08
66	21.000	1.022	1057.91	1395.8	525.4	79.3	1.030	1.007	1.001	-0.012	1.007	0.001	0.008	0.44	0.06
67	21.500	1.024	1059.23	1396.8	526.4	79.3	1.038	1.012	1.000	-0.023	1.012	0.001	0.010	0.59	0.07
68	22.000	1.024	1059.52	1396.2	526.4	79.2	1.052	1.022	1.001	-0.043	1.022	0.001	0.013	0.74	0.07
69	22.500	1.024	1059.34	1396.7	525.7	79.2	1.041	1.014	1.001	-0.027	1.014	0.001	0.012	0.69	0.06
70	23.000	1.025	1060.24	1397.1	527.0	79.3	0.991	0.972	1.000	0.035	0.972	0.000	0.005	0.30	0.02
71	23.500	1.025	1059.66	1395.5	526.3	79.2	0.983	0.966	1.001	0.068	0.966	0.001	0.003	0.17	0.05
72	24.000	1.026	1060.98	1396.3	527.1	79.2	0.986	0.968	1.001	0.066	0.968	0.001	0.003	0.20	0.05

TEST PART PEX10-6 ALPHA WING YR ZT PUM SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
TC-484 310 2.990 2.01 48 10.00 -10.00 5-502 TRANSONIC 41

POINT	XT	M	VM	PT	Q	IT	ML	VML/VH	PTL/PT	CPL	UT/VH	VT/VH	WT/VH	AATL	SWTL
2	-6.000	1.022	1037.72	1393.1	524.4	79.2	0.991	0.974	1.002	0.055	0.974	0.001	0.009	0.51	0.08
3	-5.500	1.025	1040.42	1400.4	526.3	79.4	0.993	0.974	1.000	0.052	0.974	0.001	0.002	0.12	0.06
4	-5.000	1.023	1036.46	1397.8	526.6	79.4	0.987	0.971	1.002	0.061	0.971	0.001	0.002	0.13	0.04
5	-4.500	1.023	1039.07	1395.3	525.8	79.3	0.988	0.971	1.001	0.059	0.971	0.001	0.002	0.14	0.06
6	-4.000	1.024	1039.71	1400.0	527.0	79.4	0.992	0.974	1.000	0.054	0.974	0.001	0.002	0.11	0.04
7	-3.500	1.022	1037.82	1395.4	525.3	79.2	0.987	0.972	1.001	0.059	0.972	0.001	0.002	0.11	0.04
8	-3.000	1.024	1039.87	1397.8	527.0	79.5	0.990	0.972	1.000	0.056	0.972	0.001	0.002	0.11	0.07
9	-2.500	1.023	1038.66	1397.6	526.5	79.2	0.988	0.971	1.001	0.059	0.971	0.001	0.002	0.10	0.05
10	-2.000	1.024	1039.44	1396.4	526.3	79.4	0.990	0.973	1.001	0.056	0.973	0.001	0.002	0.09	0.08
11	-1.500	1.024	1039.67	1400.3	527.9	79.4	0.987	0.970	1.001	0.062	0.970	0.002	0.001	0.06	0.10
12	-1.000	1.023	1038.77	1395.5	525.7	79.4	0.981	0.965	1.001	0.071	0.965	0.002	0.000	0.02	0.13
13	-0.500	1.024	1039.57	1398.2	527.0	79.5	0.984	0.967	1.001	0.067	0.967	0.003	-0.000	-0.02	0.16
14	0.000	1.024	1039.21	1397.5	526.6	79.4	0.979	0.964	1.002	0.075	0.964	0.003	-0.001	-0.06	0.18
15	0.500	1.022	1038.17	1395.9	525.0	79.3	0.979	0.964	1.001	0.073	0.964	0.004	-0.002	-0.10	0.22
16	1.000	1.023	1038.62	1398.1	526.6	79.4	0.978	0.963	1.001	0.075	0.963	0.004	-0.002	-0.13	0.24
17	1.500	1.022	1038.14	1396.6	525.8	79.3	0.978	0.964	1.001	0.074	0.964	0.005	-0.003	-0.17	0.28
18	2.000	1.024	1039.25	1396.8	526.4	79.4	0.981	0.966	1.001	0.071	0.965	0.005	-0.003	-0.20	0.31
19	2.500	1.025	1040.12	1397.9	527.2	79.4	0.982	0.965	1.001	0.072	0.965	0.006	-0.004	-0.26	0.35
20	3.000	1.023	1038.49	1396.5	525.9	79.4	0.983	0.968	1.002	0.067	0.968	0.007	-0.005	-0.31	0.36
21	3.500	1.025	1040.07	1398.0	527.2	79.4	0.986	0.968	1.001	0.065	0.968	0.007	-0.006	-0.35	0.41
22	4.000	1.022	1038.14	1396.8	525.3	79.3	0.984	0.968	1.002	0.066	0.968	0.007	-0.006	-0.38	0.44
23	4.500	1.023	1039.48	1396.3	526.0	79.4	0.986	0.970	1.001	0.062	0.970	0.008	-0.007	-0.40	0.45
24	5.000	1.023	1038.72	1397.9	526.5	79.4	0.986	0.970	1.002	0.063	0.970	0.008	-0.007	-0.44	0.47
25	5.500	1.024	1039.23	1395.8	526.0	79.3	0.986	0.969	1.002	0.064	0.969	0.008	-0.007	-0.43	0.46
26	6.000	1.024	1039.55	1396.8	526.5	79.4	0.989	0.971	1.001	0.059	0.971	0.008	-0.007	-0.43	0.46
27	6.500	1.024	1040.03	1398.3	527.3	79.4	0.993	0.974	1.001	0.054	0.974	0.008	-0.007	-0.42	0.44
28	7.000	1.024	1039.45	1397.0	526.6	79.4	0.997	0.979	1.001	0.044	0.979	0.007	-0.007	-0.40	0.41
29	7.500	1.025	1039.99	1398.6	527.5	79.3	1.003	0.982	1.001	0.037	0.982	0.007	-0.007	-0.40	0.39
30	8.000	1.023	1038.70	1394.6	525.3	79.3	1.007	0.987	1.001	0.039	0.987	0.006	-0.007	-0.38	0.35
31	8.500	1.025	1040.51	1397.5	527.2	79.4	1.013	0.990	1.000	0.020	0.990	0.006	-0.006	-0.35	0.33
32	9.000	1.024	1039.78	1396.6	527.3	79.4	1.015	0.993	1.002	0.017	0.993	0.005	-0.005	-0.29	0.28
33	9.500	1.024	1039.65	1397.2	526.7	79.4	1.015	0.992	1.001	0.016	0.992	0.004	-0.004	-0.23	0.23
34	10.000	1.025	1040.25	1397.2	527.0	79.5	1.020	0.996	1.001	0.008	0.996	0.003	-0.003	-0.17	0.17
35	10.500	1.026	1041.69	1398.6	528.2	79.5	1.023	0.998	1.001	0.006	0.998	0.002	-0.003	-0.06	0.12
36	11.000	1.024	1039.95	1397.4	526.8	79.7	1.029	1.004	1.001	-0.005	1.004	0.001	-0.001	0.01	0.06
37	11.500	1.024	1039.91	1397.5	527.0	79.3	1.035	1.009	1.001	-0.016	1.009	-0.000	0.001	0.07	-0.00
38	12.000	1.025	1040.59	1396.5	526.9	79.4	1.041	1.013	1.001	-0.025	1.013	-0.001	0.002	0.14	-0.04
39	12.500	1.025	1040.56	1397.8	527.3	79.5	1.046	1.017	1.001	-0.032	1.017	-0.002	0.004	0.21	-0.11
40	13.000	1.025	1040.71	1397.3	527.2	79.5	1.033	1.006	1.001	-0.012	1.006	-0.001	0.003	0.19	-0.06
41	13.500	1.026	1041.48	1398.4	528.0	79.4	0.989	0.970	1.001	0.002	0.970	0.002	-0.001	-0.03	0.15
42	14.000	1.027	1042.42	1397.5	528.1	79.5	0.961	0.946	1.001	0.108	0.946	0.005	-0.003	-0.19	0.32
43	14.500	1.027	1042.11	1397.1	527.8	79.4	0.960	0.946	1.001	0.111	0.945	0.006	-0.004	-0.23	0.37
44	15.000	1.026	1041.11	1397.5	527.5	79.5	0.963	0.949	1.001	0.104	0.949	0.006	-0.004	-0.25	0.37
45	15.500	1.025	1040.81	1397.1	527.2	79.4	0.965	0.950	1.002	0.102	0.950	0.006	-0.004	-0.22	0.37

TEST PART REX10-6 ALPHA MING YT 2T RUN SURVEY
 TC-484 310 2,990 2.01 48 10.00 -10.00 5-502

DATE 2-3-77
 AEDC PROPULSION WIND TUNNEL
 TRANSONIC 4T

POINT	XY	M	VM	PT	Q	TT	ML	VML/V4	PTL/PT	CPL	UT/V4	VT/V4	WT/V4	ASTL	SMTL
46	16.000	1.027	1062.37	1397.6	528.1	79.6	0.970	0.953	1.001	0.095	0.953	0.006	-0.004	-0.23	0.34
47	16.500	1.026	1061.20	1396.9	527.3	79.4	0.975	0.959	1.001	0.084	0.959	0.006	-0.004	-0.23	0.36
48	17.000	1.026	1061.58	1398.4	528.0	79.5	0.981	0.963	1.001	0.074	0.963	0.006	-0.003	-0.21	0.35
49	17.500	1.029	1064.57	1397.8	529.1	79.8	0.988	0.966	1.001	0.069	0.966	0.006	-0.003	-0.16	0.37
50	18.000	1.027	1062.47	1398.0	528.2	79.8	0.995	0.975	1.001	0.053	0.975	0.006	-0.002	-0.14	0.34
51	18.500	1.027	1062.42	1397.7	528.1	79.7	1.004	0.982	1.001	0.038	0.982	0.006	-0.002	-0.10	0.33
52	19.000	1.028	1063.68	1398.0	528.8	79.7	1.014	0.988	1.001	0.025	0.988	0.006	-0.000	-0.01	0.33
53	19.500	1.029	1063.78	1398.4	529.0	79.6	1.024	0.996	1.001	0.009	0.996	0.005	0.002	0.09	0.29
54	20.000	1.029	1064.11	1398.7	528.5	79.6	1.035	1.005	1.002	-0.008	1.005	0.004	0.004	0.21	0.25
56	20.500	1.029	1064.13	1397.9	529.1	79.4	1.045	1.013	1.001	-0.024	1.013	0.004	0.005	0.29	0.21
59	21.000	1.029	1064.02	1397.7	528.8	79.8	1.053	1.019	1.001	-0.037	1.019	0.003	0.008	0.43	0.15
60	21.500	1.027	1062.72	1397.7	528.3	79.6	1.061	1.027	1.001	-0.053	1.027	0.002	0.009	0.51	0.13
61	22.000	1.027	1062.65	1396.6	527.9	79.5	1.017	0.992	1.000	0.017	0.992	0.004	0.004	0.21	0.24
62	22.500	1.028	1063.13	1398.1	528.7	79.5	0.992	0.971	1.001	0.060	0.971	0.006	-0.001	-0.04	0.36
63	23.000	1.027	1062.53	1398.5	528.5	79.6	0.996	0.975	1.001	0.031	0.975	0.006	-0.001	-0.07	0.35
64	23.500	1.026	1061.40	1396.9	527.3	79.6	0.990	0.971	1.001	0.059	0.971	0.005	-0.001	-0.04	0.28
65	24.000	1.026	1061.41	1397.1	527.5	79.5	0.986	0.967	1.001	0.066	0.967	0.004	-0.001	-0.03	0.25

TEST PART BOX10-6 ALPHA MING 7.01 46 16.14 0.00 PWP SURVEY DATE 2-3-77 AEDC PROPUSSION WIND TUNNEL TRANSONIC 47

POINT	W	WV	PT	Q	TT	WL	VMI/VW	PFL/PT	CPL	UT/VW	VT/VW	WT/VW	ATL	MTL
2	1.022	1058.10	1397.5	526.0	79.6	0.982	0.976	1.002	0.052	0.976	0.001	0.002	0.15	0.06
3	1.023	1059.36	1397.6	526.6	79.6	0.989	0.972	1.001	0.048	0.972	0.000	0.004	0.24	0.03
4	1.024	1060.65	1397.4	526.7	79.7	0.990	0.972	1.001	0.057	0.972	0.000	0.004	0.23	0.03
5	1.024	1060.99	1399.0	527.4	79.7	0.991	0.973	1.001	0.056	0.973	0.000	0.004	0.22	0.03
6	1.022	1058.57	1396.1	524.7	79.7	0.988	0.972	1.002	0.059	0.972	0.000	0.004	0.23	0.00
7	1.024	1060.69	1396.7	526.4	79.7	0.988	0.971	1.001	0.059	0.971	0.000	0.004	0.22	0.03
8	1.024	1060.52	1398.1	527.3	79.7	0.989	0.971	1.001	0.059	0.971	0.001	0.004	0.23	0.04
9	1.024	1060.15	1399.3	529.0	79.5	0.989	0.970	1.001	0.061	0.970	0.001	0.004	0.23	0.05
10	1.024	1060.32	1399.1	527.3	79.5	0.989	0.970	1.001	0.061	0.970	0.001	0.004	0.23	0.04
11	1.024	1060.54	1396.6	526.4	79.6	0.984	0.968	1.001	0.066	0.968	0.001	0.004	0.23	0.07
12	1.024	1060.23	1396.0	524.8	79.7	0.983	0.966	1.001	0.070	0.966	0.002	0.004	0.22	0.13
13	1.025	1060.27	1398.0	527.3	79.5	0.980	0.964	1.001	0.073	0.964	0.003	0.004	0.21	0.16
14	1.024	1059.82	1398.3	527.0	79.6	0.979	0.964	1.002	0.075	0.963	0.004	0.004	0.22	0.22
15	1.025	1061.12	1398.1	527.5	79.6	0.978	0.961	1.001	0.079	0.961	0.005	0.003	0.21	0.30
16	1.025	1060.51	1397.7	527.1	79.8	0.980	0.964	1.002	0.075	0.964	0.006	0.003	0.21	0.36
17	1.025	1060.84	1399.5	528.0	79.7	0.980	0.964	1.000	0.074	0.963	0.007	0.003	0.18	0.40
18	1.025	1060.42	1398.1	527.3	79.7	0.980	0.964	1.001	0.074	0.964	0.008	0.003	0.22	0.46
19	1.025	1060.53	1398.5	527.6	79.9	0.982	0.965	1.001	0.071	0.965	0.009	0.004	0.22	0.53
20	1.024	1060.15	1397.2	526.8	79.7	0.981	0.965	1.002	0.072	0.965	0.010	0.003	0.18	0.58
21	1.025	1060.81	1397.7	527.2	79.9	0.982	0.965	1.001	0.071	0.965	0.010	0.003	0.20	0.60
22	1.026	1062.21	1400.2	528.8	79.9	0.984	0.966	1.001	0.069	0.966	0.011	0.003	0.18	0.64
23	1.024	1060.39	1398.3	527.2	79.9	0.984	0.967	1.002	0.068	0.967	0.011	0.003	0.18	0.64
24	1.024	1060.84	1399.1	527.9	79.7	0.985	0.970	1.001	0.061	0.970	0.011	0.003	0.17	0.66
25	1.024	1060.82	1398.3	527.5	79.8	0.985	0.971	1.001	0.060	0.971	0.011	0.003	0.17	0.66
26	1.025	1061.06	1399.6	527.8	79.7	0.991	0.972	1.001	0.058	0.972	0.011	0.002	0.14	0.64
27	1.025	1060.50	1397.3	527.0	79.7	0.993	0.974	1.002	0.055	0.974	0.011	0.003	0.16	0.62
28	1.024	1061.52	1397.9	527.7	79.8	0.996	0.976	1.001	0.050	0.976	0.010	0.003	0.16	0.67
29	1.024	1062.14	1398.5	528.2	79.9	1.000	0.978	1.001	0.045	0.978	0.010	0.003	0.17	0.68
30	1.027	1062.15	1399.3	528.6	79.6	1.005	0.982	1.001	0.037	0.982	0.009	0.003	0.19	0.68
31	1.026	1061.84	1397.2	527.7	79.6	1.009	0.988	1.001	0.030	0.988	0.008	0.004	0.22	0.64
32	1.028	1063.67	1397.5	528.6	79.7	1.012	0.997	1.001	0.027	0.997	0.006	0.003	0.20	0.68
33	1.027	1062.60	1398.2	528.4	79.7	1.020	0.994	1.001	0.013	0.994	0.006	0.003	0.19	0.68
34	1.026	1063.01	1397.1	528.1	79.7	1.025	0.998	1.001	0.008	0.998	0.004	0.003	0.18	0.68
35	1.028	1064.57	1397.4	528.9	79.7	1.032	1.002	1.001	-0.003	1.002	0.003	0.003	0.17	0.68
36	1.028	1063.33	1398.5	528.8	79.8	1.036	1.007	1.001	-0.013	1.007	0.001	0.003	0.17	0.68
37	1.028	1063.07	1398.0	528.5	79.8	1.042	1.012	1.001	-0.022	1.012	-0.001	0.002	0.14	0.68
38	1.028	1063.33	1398.1	528.7	79.7	1.047	1.016	1.001	-0.031	1.016	-0.003	0.003	0.16	0.68
39	1.027	1062.53	1398.1	528.3	79.9	1.047	1.016	1.001	-0.031	1.016	-0.003	0.003	0.20	0.68
40	1.028	1064.31	1398.1	528.7	79.7	1.057	1.020	1.001	-0.038	1.020	-0.007	0.004	0.20	0.68
41	1.026	1064.81	1397.5	527.6	79.6	1.033	1.003	1.001	-0.003	1.003	-0.004	0.004	0.21	0.68
42	1.028	1063.44	1397.0	528.3	79.8	1.047	0.994	1.001	0.003	0.994	0.004	0.004	0.21	0.68
43	1.027	1063.03	1398.5	528.5	80.0	0.961	0.949	1.001	0.102	0.949	0.005	0.006	0.28	0.68
44	1.027	1062.67	1400.7	529.3	79.8	0.961	0.950	1.001	0.102	0.950	0.005	0.006	0.28	0.68
45	1.026	1063.11	1397.7	527.6	79.9	0.961	0.951	1.002	0.100	0.951	0.005	0.006	0.28	0.68

TEST DATA MEXICO-6
XC-494 311 2.997 2.01 46 14.14 0.00 5-503

DATE 2-3-77
AIRC PROPLUSTION WIND TUNNEL
TRANSDUC 45

POINT	XT	W	VM	ST	WT	VL	VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	GMTL
46	16.000	1.028	1043.77	1397.8	528.8	79.7	0.974	1.000	0.030	0.955	0.005	0.007	0.42	0.30
47	16.500	1.028	1043.51	1398.7	528.9	79.9	0.981	1.001	0.030	0.961	0.005	0.007	0.44	0.30
48	17.000	1.027	1042.59	1398.8	528.6	79.6	0.980	1.001	0.032	0.970	0.004	0.008	0.44	0.26
49	17.500	1.028	1043.31	1398.3	528.7	79.7	1.003	1.001	0.043	0.979	0.002	0.008	0.45	0.14
50	18.000	1.024	1042.03	1398.5	528.2	79.8	1.016	1.001	0.018	0.992	0.001	0.008	0.48	0.03
51	18.500	1.027	1042.18	1398.6	528.3	79.8	1.026	1.002	0.003	0.999	-0.002	0.008	0.47	-0.09
52	19.000	1.028	1043.14	1397.4	528.3	79.7	1.033	1.000	-0.008	1.004	-0.003	0.009	0.50	-0.17
53	19.500	1.024	1041.84	1398.9	528.1	79.8	1.046	1.001	-0.032	1.016	-0.006	0.009	0.51	-0.31
54	20.000	1.024	1042.04	1399.0	528.4	79.8	1.057	1.001	-0.048	1.024	-0.008	0.009	0.53	-0.47
55	20.500	1.025	1040.66	1397.8	527.2	79.8	1.070	1.001	-0.071	1.036	-0.012	0.009	0.50	-0.68
56	21.000	1.025	1042.45	1397.2	527.0	79.8	1.039	1.000	-0.022	1.011	-0.007	0.010	0.54	-0.42
57	21.500	1.027	1042.36	1400.3	528.0	79.8	1.000	0.999	0.042	0.979	-0.001	0.010	0.58	-0.08
58	22.000	1.025	1041.04	1399.3	527.9	80.0	1.000	1.001	0.043	0.979	-0.000	0.010	0.58	-0.01
59	22.500	1.026	1041.87	1398.0	527.8	79.9	0.984	1.001	0.053	0.974	-0.001	0.011	0.62	-0.07
75	23.000	1.026	1041.29	1398.6	529.2	79.8	0.992	1.001	0.061	0.970	-0.001	0.010	0.61	-0.06
76	23.500	1.028	1043.17	1398.2	528.5	79.9	0.995	1.002	0.071	0.966	-0.003	0.010	0.62	-0.18
77	24.000	1.026	1042.17	1398.2	528.0	80.0	0.982	1.001	0.073	0.964	-0.004	0.010	0.61	-0.22

TEST PART REX10-6 ALPHA WING YP 2T RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 312 3.001 2.01 48 -10.00 -10.00 5-504 2-3-77 TRANSONIC 48

POINT	XT	N	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SAITL
2	-6.000	1.025	1061.09	1399.0	527.9	79.9	0.992	0.973	1.001	0.056	0.973	0.000	0.004	0.24	0.01
3	-4.000	1.026	1061.09	1399.0	528.2	79.9	0.994	0.974	1.001	0.054	0.974	0.001	0.006	0.37	0.04
4	-2.000	1.024	1060.43	1399.1	527.6	79.9	0.991	0.973	1.002	0.056	0.973	0.000	0.006	0.34	0.03
5	0.000	1.025	1060.87	1398.2	527.5	79.7	0.990	0.963	1.001	0.075	0.963	-0.002	0.003	0.21	-0.11
6	2.000	1.025	1060.53	1398.5	527.4	79.8	0.992	0.965	1.001	0.071	0.965	-0.004	0.001	0.04	-0.24
7	4.000	1.024	1060.03	1398.9	527.3	79.9	0.987	0.970	1.001	0.063	0.970	-0.006	-0.002	-0.13	-0.37
8	6.000	1.023	1059.16	1397.6	526.5	79.7	0.988	0.971	1.002	0.060	0.971	-0.007	-0.003	-0.18	-0.39
9	8.000	1.024	1059.69	1396.9	526.5	79.7	1.005	0.985	1.001	0.032	0.985	-0.006	-0.003	-0.18	-0.32
10	10.000	1.025	1060.51	1397.5	527.1	79.8	1.020	0.996	1.001	0.009	0.996	-0.002	0.000	0.03	-0.11
11	12.000	1.025	1060.67	1398.2	527.5	79.6	1.038	1.011	1.001	-0.020	1.011	0.002	0.006	0.32	0.12
12	14.000	1.027	1062.53	1398.5	528.5	79.6	0.962	0.947	1.000	0.107	0.947	-0.004	0.001	0.03	-0.24
13	16.000	1.027	1062.36	1397.4	527.9	79.8	0.949	0.953	1.001	0.095	0.953	-0.005	-0.000	-0.01	-0.30
14	18.000	1.030	1064.78	1398.4	529.5	79.7	0.993	0.970	1.001	0.060	0.970	-0.003	0.001	0.03	-0.28
16	20.000	1.029	1064.35	1398.5	529.6	79.9	1.042	1.011	1.001	-0.021	1.011	-0.003	0.007	0.42	-0.20
17	22.000	1.029	1064.14	1398.7	529.2	79.9	1.017	0.990	1.000	0.019	0.990	-0.004	0.006	0.36	-0.23
21	24.000	1.028	1063.50	1399.6	528.2	79.9	0.986	0.966	1.001	0.069	0.966	-0.005	0.003	0.16	-0.37

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY
 TC-484 198 2.999 5.01 48 0.00 -5.00 4-201

DATE 2-3-77
 AEDC PROPULSION WIND TUNNEL
 TRANSDUC 4T

POINT	X	M	VW	PT	Q	TT	PL	YWL/VW	DTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
13	9.000	1.026	1061.66	1399.2	529.1	80.1	1.093	1.054	1.001	-0.106	1.050	0.003	0.084	4.57	0.17
14	9.666	1.027	1062.54	1397.6	527.9	80.1	1.120	1.074	1.002	-0.145	1.070	0.002	0.093	4.96	0.13
15	10.333	1.029	1064.68	1400.0	529.9	80.0	1.114	1.066	0.999	-0.133	1.062	0.004	0.092	4.97	0.23
19	11.000	1.023	1058.96	1399.2	527.0	79.8	1.011	0.990	1.000	0.019	0.987	0.002	0.076	4.43	0.13
20	11.666	1.024	1060.21	1398.9	527.4	79.8	0.933	0.925	1.000	0.150	0.923	0.005	0.065	4.00	0.33
21	12.333	1.027	1062.34	1397.6	528.0	79.8	0.929	0.919	1.001	0.162	0.917	0.004	0.060	3.72	0.25
22	13.000	1.030	1064.97	1395.8	529.6	79.9	0.927	0.916	1.000	0.168	0.914	0.003	0.055	3.45	0.21
24	13.666	1.021	1057.30	1399.1	526.0	80.0	0.924	0.920	1.000	0.150	0.918	0.003	0.052	3.25	0.19
25	14.333	1.023	1059.55	1398.8	527.0	80.0	0.928	0.921	1.000	0.158	0.920	0.002	0.051	3.14	0.13
26	15.000	1.029	1064.48	1399.6	529.7	79.9	0.936	0.921	0.999	0.136	0.920	0.002	0.048	2.99	0.13
28	15.666	1.024	1059.66	1398.8	527.1	79.8	0.939	0.931	1.000	0.139	0.929	0.002	0.048	2.93	0.15
29	16.333	1.026	1061.59	1397.7	527.6	79.9	0.944	0.933	1.001	0.136	0.932	0.002	0.048	2.94	0.13
31	17.000	1.027	1062.77	1399.4	528.8	79.8	0.975	0.957	1.000	0.086	0.956	0.003	0.050	3.01	0.16
32	17.666	1.028	1063.12	1395.9	528.9	79.7	0.992	0.971	1.000	0.058	0.970	0.002	0.054	3.19	0.12
35	18.333	1.027	1062.79	1397.7	528.2	79.8	1.023	0.997	1.001	0.008	0.995	0.003	0.060	3.47	0.16
41	19.000	1.022	1058.32	1399.9	526.9	79.9	1.043	1.017	1.000	-0.035	1.015	0.003	0.067	3.76	0.18

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY
 TC-884 206 2.997 5.01 49 0.00 -4.00 4-209

DATE 2-3-77
 AEDC PROPULSION WIND TUNNEL
 TRANSONIC 47

POINT	X	M	W	PT	O	TT	ML	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	HL/VH	AAL	SML
2	9.000	1.025	1062.41	1401.8	528.9	81.2	1.103	1.061	1.000	-0.122	1.057	0.001	0.094	5.07	0.08
3	9.333	1.029	1065.76	1404.6	531.6	81.2	1.124	1.074	0.998	-0.150	1.070	0.004	0.090	4.81	0.22
12	9.666	1.025	1062.64	1403.6	529.7	81.2	1.108	1.065	0.998	-0.132	1.070	0.005	0.087	4.70	0.26
13	10.000	1.027	1064.31	1403.0	529.9	81.3	1.120	1.073	1.000	-0.145	1.069	0.004	0.091	4.87	0.20
14	10.333	1.028	1064.95	1404.0	531.0	81.1	1.120	1.072	0.998	-0.145	1.068	0.005	0.091	4.87	0.26
15	10.666	1.029	1065.44	1403.4	531.0	81.2	1.101	1.057	0.999	-0.116	1.054	0.006	0.086	4.88	0.31
16	11.000	1.030	1066.44	1403.6	531.5	81.2	1.030	1.000	0.998	-0.002	0.997	0.006	0.071	4.07	0.34
17	11.333	1.022	1059.45	1404.0	528.4	81.1	0.930	0.924	1.000	0.152	0.922	0.005	0.061	3.80	0.33
21	11.666	1.029	1065.57	1402.3	530.6	81.3	0.930	0.919	0.999	0.152	0.917	0.005	0.056	3.48	0.34
22	12.000	1.029	1065.48	1402.9	530.7	81.3	0.923	0.913	0.999	0.172	0.912	0.005	0.054	3.39	0.31
24	12.333	1.024	1061.10	1403.7	529.7	81.2	0.921	0.915	1.000	0.170	0.913	0.004	0.052	3.23	0.23
25	12.666	1.022	1059.62	1402.4	527.8	81.2	0.916	0.912	1.000	0.176	0.911	0.003	0.050	3.15	0.21
26	13.000	1.024	1061.11	1401.8	528.3	81.2	0.918	0.913	1.000	0.175	0.911	0.003	0.048	3.00	0.19
27	13.333	1.026	1063.19	1403.5	529.9	81.3	0.921	0.913	1.000	0.173	0.912	0.003	0.046	2.88	0.21
28	13.666	1.026	1064.50	1403.9	530.7	81.3	0.923	0.914	1.000	0.172	0.913	0.003	0.044	2.74	0.20
29	14.000	1.030	1066.35	1403.8	531.5	81.2	0.925	0.914	1.000	0.172	0.913	0.003	0.042	2.65	0.20
32	14.333	1.027	1063.67	1402.3	529.7	81.3	0.929	0.919	1.000	0.162	0.918	0.004	0.041	2.54	0.23
33	14.666	1.024	1061.26	1402.1	528.5	81.3	0.929	0.922	1.000	0.157	0.921	0.004	0.041	2.50	0.22
34	15.000	1.028	1065.11	1404.5	531.1	81.4	0.933	0.922	0.999	0.154	0.921	0.003	0.040	2.52	0.21
37	15.333	1.027	1064.17	1405.0	530.9	81.4	0.937	0.926	1.000	0.149	0.925	0.004	0.040	2.51	0.23
38	15.666	1.024	1061.98	1402.9	529.0	81.4	0.937	0.928	1.000	0.143	0.927	0.004	0.041	2.52	0.24
39	16.000	1.029	1065.98	1403.1	530.9	81.4	0.941	0.928	0.999	0.142	0.927	0.004	0.041	2.53	0.20
43	16.333	1.025	1062.44	1403.4	529.5	81.4	0.958	0.945	1.000	0.110	0.944	0.004	0.042	2.56	0.22
44	16.666	1.025	1062.59	1403.5	529.6	81.4	0.968	0.953	1.001	0.094	0.952	0.004	0.044	2.63	0.21
49	17.000	1.023	1060.49	1403.9	528.7	81.5	0.979	0.965	1.001	0.072	0.963	0.004	0.045	2.70	0.23
50	17.333	1.024	1062.00	1404.1	529.5	81.5	0.990	0.972	1.000	0.056	0.971	0.003	0.048	2.82	0.20
51	17.666	1.027	1064.71	1404.9	531.0	81.6	1.003	0.980	1.000	0.039	0.979	0.003	0.051	2.97	0.19
54	18.000	1.026	1063.35	1404.4	530.2	81.6	1.017	0.993	1.000	0.014	0.991	0.004	0.055	3.18	0.24
55	18.333	1.026	1063.64	1403.8	530.1	81.5	1.030	1.003	1.000	-0.006	1.001	0.004	0.058	3.32	0.21
56	18.666	1.029	1066.22	1405.5	532.0	81.5	1.043	1.011	0.999	-0.023	1.009	0.004	0.061	3.45	0.23
58	19.000	1.023	1061.30	1404.5	529.2	81.6	1.046	1.018	1.000	-0.036	1.016	0.005	0.062	3.48	0.26

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 IC-484 207 1.000 5.01 48 9.00 -3.00 4-210 2-3-77 AEDC TRANSONIC 42

POINT	X	Y	Z	VM	PT	KL	VNL/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
4	9.000	1.028	530.5	1064.59	1403.3	1.110	1.065	0.998	-0.131	1.062	0.002	0.076	4.11	0.13
5	9.333	1.027	530.3	1064.24	1403.4	1.122	1.074	0.999	-0.150	1.071	0.003	0.081	4.34	0.16
6	9.666	1.029	530.9	1065.59	1403.5	1.124	1.074	0.999	-0.150	1.071	0.004	0.083	4.40	0.21
9	10.000	1.021	524.5	1059.56	1404.8	1.098	1.061	0.999	-0.123	1.058	0.005	0.081	4.37	0.29
10	10.333	1.026	529.9	1063.44	1403.6	1.089	1.050	0.999	-0.103	1.047	0.004	0.076	4.17	0.24
11	10.666	1.029	531.3	1065.27	1405.2	1.041	1.011	0.999	-0.023	1.009	0.005	0.065	3.68	0.30
12	11.000	1.026	530.4	1063.56	1404.4	0.935	0.925	1.000	0.149	0.923	0.006	0.055	3.39	0.35
13	11.333	1.028	530.7	1064.89	1403.9	0.925	0.916	1.000	0.168	0.914	0.005	0.051	3.18	0.29
14	11.666	1.029	531.0	1065.69	1403.7	0.919	0.910	1.000	0.179	0.909	0.003	0.047	2.95	0.21
16	12.000	1.021	528.3	1059.50	1404.3	0.913	0.910	1.000	0.180	0.909	0.004	0.043	2.74	0.22
20	12.333	1.030	531.0	1066.52	1402.6	0.912	0.903	1.000	0.194	0.902	0.002	0.040	2.54	0.15
23	12.666	1.027	530.7	1064.55	1404.2	0.916	0.908	1.000	0.185	0.907	0.004	0.037	2.32	0.22
24	13.000	1.024	529.1	1061.44	1404.0	0.912	0.907	1.000	0.185	0.907	0.003	0.036	2.29	0.19
25	13.333	1.028	531.0	1065.30	1404.3	0.916	0.907	1.000	0.186	0.906	0.003	0.034	2.13	0.17
28	13.666	1.023	528.3	1060.57	1402.5	0.919	0.914	1.001	0.173	0.913	0.003	0.033	2.05	0.16
29	14.000	1.023	529.2	1061.11	1404.7	0.920	0.914	1.000	0.171	0.914	0.003	0.032	2.01	0.17
30	14.333	1.027	531.0	1064.37	1405.4	0.925	0.916	1.000	0.168	0.915	0.003	0.031	1.94	0.16
31	14.666	1.029	531.9	1066.08	1405.8	0.929	0.918	1.000	0.164	0.917	0.002	0.030	1.90	0.16
35	15.000	1.029	530.9	1066.32	1402.8	0.933	0.921	1.000	0.159	0.920	0.003	0.030	1.89	0.19
37	15.333	1.023	528.9	1061.04	1404.0	0.936	0.928	1.000	0.143	0.928	0.003	0.031	1.92	0.20
38	15.666	1.024	529.7	1062.06	1405.0	0.938	0.929	1.000	0.142	0.929	0.003	0.032	1.94	0.20
39	16.000	1.028	531.7	1065.53	1405.9	0.942	0.929	1.000	0.141	0.928	0.003	0.032	1.96	0.20
43	16.333	1.025	529.3	1062.38	1403.5	0.963	0.949	1.000	0.102	0.949	0.003	0.033	2.01	0.20
44	16.666	1.024	529.7	1062.06	1405.0	0.974	0.959	1.000	0.082	0.958	0.003	0.035	2.09	0.19
45	17.000	1.027	531.0	1064.81	1404.9	0.986	0.966	1.000	0.067	0.966	0.003	0.038	2.23	0.18
50	17.333	1.025	530.1	1063.15	1404.6	1.003	0.982	1.000	0.035	0.981	0.004	0.041	2.42	0.22
51	17.666	1.026	530.4	1063.85	1404.6	1.012	0.988	1.000	0.023	0.987	0.003	0.044	2.55	0.19
56	18.000	1.023	529.0	1060.66	1404.6	1.023	1.000	1.000	-0.000	0.999	0.004	0.048	2.73	0.23
57	18.333	1.024	529.2	1062.03	1403.6	1.029	1.004	1.001	-0.001	1.003	0.004	0.049	2.82	0.21
58	18.666	1.028	530.9	1065.49	1403.9	1.033	1.004	1.000	-0.008	1.003	0.005	0.049	2.82	0.26
61	19.000	1.022	529.1	1060.42	1405.7	1.024	1.001	0.999	-0.003	1.000	0.006	0.048	2.74	0.32

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
TC-484 200 3.003 5.01 4A 0.00 -2.00 4-211 2-3-77 TRANSONIC 4T

POINT	X	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SML
1	9.000	1.027	1064.64	1406.7	531.5	81.9	1.091	1.051	0.999	-0.102	1.050	0.003	0.044	2.41	0.15
2	9.333	1.026	1063.49	1403.7	529.9	81.8	1.082	1.044	0.999	-0.090	1.043	0.005	0.045	2.45	0.27
3	9.666	1.027	1064.18	1403.5	530.1	81.8	1.076	1.039	0.999	-0.080	1.038	0.005	0.045	2.46	0.26
4	10.000	1.028	1065.66	1405.2	531.5	82.0	1.071	1.034	0.999	-0.069	1.033	0.005	0.045	2.49	0.30
5	10.333	1.026	1063.39	1406.6	530.9	81.9	1.059	1.027	0.999	-0.055	1.026	0.006	0.043	2.42	0.32
6	10.666	1.021	1059.57	1405.2	528.6	81.8	1.042	0.935	1.000	0.131	0.934	0.005	0.038	2.31	0.30
7	11.000	1.026	1063.46	1405.2	530.4	81.8	0.926	0.918	1.000	0.144	0.917	0.004	0.035	2.16	0.27
9	11.333	1.023	1060.72	1405.5	529.2	81.8	0.913	0.909	1.000	0.183	0.908	0.004	0.031	1.93	0.25
10	11.666	1.025	1063.12	1405.7	530.5	81.8	0.908	0.903	1.000	0.195	0.902	0.004	0.028	1.77	0.22
11	12.000	1.027	1064.36	1405.7	530.8	81.9	0.905	0.899	1.000	0.202	0.899	0.003	0.025	1.57	0.20
12	12.333	1.029	1066.19	1406.8	532.3	81.9	0.906	0.898	1.000	0.203	0.898	0.003	0.022	1.39	0.17
13	12.666	1.027	1064.83	1405.9	531.3	81.8	0.907	0.900	1.000	0.201	0.900	0.003	0.019	1.24	0.16
14	13.000	1.028	1065.89	1406.6	532.1	81.9	0.909	0.901	1.000	0.197	0.901	0.002	0.018	1.12	0.15
15	13.333	1.022	1060.19	1404.3	528.5	81.9	0.909	0.906	1.001	0.109	0.906	0.003	0.017	1.09	0.16
16	13.666	1.026	1063.32	1405.7	530.6	81.8	0.914	0.907	1.000	0.165	0.907	0.002	0.016	0.99	0.15
17	14.000	1.028	1065.07	1405.6	531.3	81.9	0.920	0.911	1.001	0.179	0.911	0.003	0.015	0.97	0.18
18	14.333	1.029	1066.28	1406.4	532.2	81.9	0.925	0.914	1.000	0.172	0.914	0.002	0.015	0.95	0.14
20	14.666	1.027	1064.37	1405.4	530.9	81.8	0.930	0.920	1.000	0.181	0.920	0.003	0.015	0.96	0.16
21	15.000	1.023	1061.49	1403.9	529.0	81.8	0.932	0.925	1.001	0.152	0.924	0.003	0.015	0.95	0.18
22	15.333	1.028	1065.53	1405.9	531.7	81.8	0.938	0.926	1.000	0.148	0.925	0.003	0.016	1.01	0.20
25	15.666	1.027	1064.39	1406.6	531.3	82.0	0.942	0.931	1.000	0.139	0.931	0.003	0.017	1.02	0.21
26	16.000	1.022	1060.38	1406.0	529.2	81.9	0.944	0.936	1.000	0.128	0.936	0.003	0.017	1.02	0.21
27	16.333	1.025	1062.82	1405.3	530.2	81.8	0.971	0.964	1.001	0.090	0.964	0.003	0.021	1.14	0.20
28	16.666	1.030	1067.12	1405.9	532.4	81.9	0.946	0.944	1.000	0.072	0.946	0.003	0.021	1.23	0.20
38	17.000	1.027	1064.82	1405.9	531.2	82.0	1.006	0.983	1.000	0.034	0.983	0.004	0.023	1.36	0.25
41	17.333	1.021	1059.74	1406.7	529.1	82.0	1.019	0.998	1.000	0.003	0.998	0.004	0.023	1.47	0.27
44	17.666	1.027	1064.43	1406.1	531.1	82.1	1.031	1.003	1.000	-0.006	1.003	0.004	0.026	1.60	0.25
45	18.000	1.029	1066.06	1405.0	531.5	82.0	1.039	1.008	1.000	-0.016	1.008	0.005	0.029	1.67	0.27
47	18.333	1.025	1063.03	1406.1	530.4	82.1	1.047	1.017	1.000	-0.034	1.017	0.006	0.030	1.68	0.35
48	18.666	1.025	1062.75	1407.1	530.7	82.1	1.040	1.013	1.000	-0.025	1.012	0.007	0.029	1.64	0.36
49	19.000	1.027	1065.00	1407.2	531.8	82.1	1.031	1.003	1.000	-0.006	1.003	0.007	0.028	1.60	0.40

TEST PART		REXIO-6	ALFA	WING	Y	Z	PUN	SUPVET	DATE	AEDC PROPUSSION WIND TUNNEL				
TC-484		199	2.999	5.01	41	1.00	-5.00	4-202	2-3-77	TRANSONIC 42				
POINT	X	M	YM	PT	O	TT	ML	VML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	SWL
4	9.000	1.027	1042.04	1397.6	527.9	79.7	1.090	1.050	1.001	-0.099	1.047	0.006	0.084	0.31
5	9.666	1.029	1054.39	1396.9	528.7	79.6	1.123	1.073	1.001	-0.144	1.089	0.004	0.093	0.21
7	10.333	1.021	1056.06	1399.2	528.1	79.6	1.101	1.064	1.000	-0.127	1.060	0.007	0.094	0.36
8	11.000	1.024	1063.68	1396.5	528.2	79.7	1.089	1.048	1.000	-0.096	1.044	0.005	0.089	0.30
10	11.666	1.023	1058.82	1399.3	527.0	79.7	0.927	0.921	0.998	0.155	0.919	0.008	0.065	0.52
11	12.333	1.024	1059.88	1397.3	528.8	79.6	0.924	0.917	0.999	0.164	0.915	0.008	0.060	0.51
12	13.000	1.027	1042.03	1397.0	527.7	79.6	0.924	0.916	0.999	0.168	0.914	0.008	0.056	0.50
15	13.666	1.029	1063.92	1399.1	529.3	79.7	0.925	0.915	0.998	0.168	0.913	0.008	0.052	0.50
17	14.333	1.021	1057.54	1395.9	525.1	79.6	0.929	0.923	1.001	0.154	0.922	0.008	0.050	0.47
18	15.000	1.026	1041.21	1395.8	526.9	79.5	0.935	0.925	1.001	0.151	0.924	0.007	0.049	0.44
19	15.666	1.030	1064.66	1398.4	528.4	79.6	0.937	0.924	0.999	0.150	0.923	0.007	0.047	0.44
20	16.333	1.025	1050.61	1398.5	527.6	79.5	0.940	0.930	0.999	0.138	0.929	0.007	0.048	0.43
21	17.000	1.029	1063.75	1397.4	528.7	79.5	0.970	0.952	1.000	0.096	0.950	0.006	0.050	0.37
26	17.666	1.024	1059.47	1396.9	526.4	79.6	0.981	0.973	1.000	0.054	0.972	0.007	0.055	0.39
27	18.333	1.030	1064.94	1397.0	529.0	79.7	1.016	0.989	1.000	0.022	0.987	0.006	0.059	0.36
32	19.000	1.025	1060.80	1398.1	527.4	79.8	1.041	1.013	0.999	-0.026	1.010	0.008	0.067	0.43

TEST PRT RE310-6 ALPHA MING Y Z RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 IC-484 209 2.998 3.01 48 1.00 -4.00 2-3-77 TRANSONIC 43

POINT	R	M	YH	PT	Q	IT	ML	VML/VH	PTL/PT	CPL	UL/VH	VL/VH	HL/VH	AAL	SHL
4	9.000	1.029	1066.79	1403.7	531.3	82.0	1.117	1.069	1.000	-0.137	1.065	0.008	0.090	4.81	0.45
5	9.333	1.025	1063.16	1405.4	530.2	82.1	1.122	1.076	0.999	-0.153	1.072	0.007	0.092	4.92	0.39
6	9.666	1.025	1062.71	1407.6	530.9	82.0	1.107	1.065	0.998	-0.132	1.061	0.009	0.090	4.85	0.47
7	10.000	1.025	1063.20	1407.2	531.0	82.0	1.111	1.068	0.999	-0.136	1.064	0.007	0.093	4.97	0.38
8	10.333	1.026	1063.91	1405.3	530.6	82.0	1.104	1.065	0.999	-0.130	1.061	0.007	0.093	5.01	0.38
9	10.666	1.027	1065.00	1404.7	530.9	82.0	1.094	1.053	0.999	-0.106	1.049	0.008	0.089	4.83	0.44
11	11.000	1.021	1059.88	1408.2	529.0	82.0	0.940	0.933	1.000	0.135	0.930	0.011	0.068	4.19	0.65
12	11.333	1.023	1061.41	1405.3	529.4	82.0	0.932	0.924	1.000	0.151	0.922	0.011	0.064	3.98	0.71
13	11.666	1.025	1062.91	1405.1	530.0	82.0	0.927	0.919	1.000	0.162	0.917	0.011	0.061	3.78	0.71
14	12.000	1.024	1064.16	1406.4	531.1	82.1	0.924	0.915	1.000	0.168	0.913	0.011	0.057	3.57	0.71
15	12.333	1.028	1065.81	1408.2	532.6	82.0	0.922	0.913	0.999	0.174	0.911	0.011	0.054	3.37	0.71
16	12.666	1.029	1066.14	1406.7	532.2	82.0	0.920	0.911	1.000	0.179	0.909	0.011	0.051	3.21	0.70
17	13.000	1.028	1066.42	1405.5	531.9	81.9	0.921	0.911	1.000	0.179	0.909	0.011	0.048	3.05	0.71
19	13.333	1.028	1065.68	1408.4	531.8	82.0	0.922	0.913	1.000	0.174	0.912	0.011	0.046	2.89	0.71
20	13.666	1.028	1065.75	1407.3	532.2	82.0	0.923	0.913	1.000	0.172	0.912	0.011	0.045	2.81	0.69
21	14.000	1.026	1066.48	1407.0	532.4	82.0	0.925	0.915	1.000	0.171	0.913	0.011	0.043	2.72	0.67
23	14.333	1.026	1063.57	1405.6	530.5	82.1	0.928	0.919	1.000	0.161	0.918	0.011	0.043	2.67	0.66
24	14.666	1.024	1063.82	1405.5	530.6	82.0	0.930	0.921	1.000	0.159	0.920	0.010	0.042	2.61	0.63
26	15.000	1.027	1064.60	1407.6	531.7	82.2	0.934	0.924	1.000	0.152	0.923	0.010	0.042	2.58	0.64
29	15.333	1.026	1063.96	1405.2	530.6	82.0	0.936	0.926	1.000	0.149	0.925	0.010	0.042	2.58	0.62
30	15.666	1.029	1066.93	1408.3	532.3	82.2	0.938	0.925	0.999	0.148	0.926	0.010	0.042	2.58	0.61
33	16.000	1.023	1061.62	1405.7	529.6	82.2	0.942	0.933	1.000	0.135	0.932	0.010	0.042	2.59	0.60
39	16.333	1.027	1065.03	1406.3	531.4	82.3	0.959	0.945	1.000	0.111	0.944	0.010	0.043	2.62	0.60
40	16.666	1.029	1065.63	1406.7	532.3	82.3	0.967	0.950	1.000	0.100	0.949	0.009	0.044	2.63	0.57
42	17.000	1.026	1064.14	1406.9	531.2	82.2	0.980	0.962	1.000	0.075	0.961	0.010	0.047	2.78	0.57
43	17.333	1.026	1063.81	1405.1	530.5	81.9	0.989	0.970	1.000	0.050	0.969	0.009	0.049	2.89	0.56
44	17.666	1.029	1065.85	1404.6	531.4	81.7	1.005	0.981	1.001	0.040	0.979	0.010	0.052	3.05	0.57
49	18.000	1.023	1060.53	1405.5	529.3	81.4	1.021	0.999	1.000	0.002	0.997	0.011	0.057	3.25	0.61
50	18.333	1.025	1062.77	1405.0	530.2	81.4	1.031	1.005	1.000	-0.009	1.003	0.011	0.060	3.40	0.61
51	18.666	1.029	1065.51	1404.5	531.3	81.4	1.044	1.012	1.000	-0.025	1.010	0.011	0.062	3.54	0.61
54	19.000	1.023	1061.14	1403.4	528.8	81.4	1.053	1.023	1.000	-0.047	1.021	0.012	0.065	3.61	0.69

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 TC-484 210 2.994 5.01 4% 1.00 -3.00 4-213 2-3-77 TRANSONIC 47

POINT	X	Y	Z	PT	Q	XT	ML	VML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
5	9.000	1.022	1059.66	1400.6	527.4	81.0	1.121	1.077	0.999	-0.155	1.074	0.015	0.084	4.48	0.78
6	9.333	1.025	1061.62	1402.2	528.8	81.0	1.112	1.089	0.998	-0.140	1.066	0.014	0.087	4.57	0.74
7	9.666	1.028	1062.44	1403.0	529.6	80.8	1.122	1.076	0.999	-0.152	1.072	0.013	0.088	4.70	0.70
8	10.000	1.027	1063.39	1403.3	530.1	80.9	1.114	1.069	0.999	-0.138	1.065	0.014	0.087	4.69	0.75
9	10.333	1.028	1064.73	1402.4	530.4	80.8	1.104	1.060	0.998	-0.121	1.056	0.014	0.085	4.62	0.78
12	10.666	1.028	1064.61	1401.6	530.0	81.0	1.051	1.019	0.999	-0.098	1.016	0.016	0.073	4.10	0.89
13	11.000	1.029	1065.03	1402.4	530.5	80.9	0.942	0.929	0.999	-0.141	0.927	0.017	0.059	3.57	1.03
14	11.333	1.022	1059.10	1403.5	528.2	80.8	0.923	0.918	1.000	0.164	0.916	0.017	0.056	3.53	1.04
15	11.666	1.024	1061.25	1403.4	529.2	80.8	0.916	0.910	1.000	0.179	0.909	0.016	0.052	3.28	1.01
16	12.000	1.026	1062.72	1402.2	529.4	80.8	0.914	0.907	1.000	0.185	0.906	0.016	0.048	3.04	1.01
17	12.333	1.027	1063.64	1399.6	528.9	80.9	0.912	0.905	1.000	0.190	0.904	0.015	0.044	2.80	0.97
20	12.666	1.029	1064.90	1403.5	530.9	80.8	0.914	0.905	1.000	0.188	0.904	0.015	0.040	2.54	0.96
21	13.000	1.028	1064.43	1402.2	530.2	80.8	0.914	0.906	1.000	0.188	0.905	0.014	0.038	2.42	0.91
22	13.333	1.030	1065.77	1401.9	530.7	80.8	0.917	0.907	1.000	0.185	0.906	0.014	0.036	2.29	0.88
23	13.666	1.024	1061.02	1401.8	528.5	80.8	0.918	0.912	1.000	0.175	0.912	0.014	0.035	2.20	0.88
24	14.000	1.023	1059.72	1401.8	527.9	80.7	0.920	0.915	1.000	0.171	0.914	0.013	0.034	2.16	0.84
25	14.333	1.026	1062.36	1401.1	528.9	80.7	0.925	0.917	1.000	0.167	0.916	0.013	0.033	2.09	0.82
26	14.666	1.029	1065.05	1400.3	529.8	80.7	0.929	0.917	1.000	0.165	0.917	0.013	0.033	2.05	0.79
30	15.000	1.029	1064.78	1402.1	530.4	80.7	0.933	0.922	1.000	0.156	0.921	0.013	0.033	2.04	0.81
31	15.333	1.027	1063.37	1401.7	529.6	80.7	0.936	0.925	1.000	0.149	0.925	0.012	0.033	2.04	0.77
32	15.666	1.024	1060.98	1400.2	527.9	80.7	0.939	0.929	1.000	0.142	0.929	0.013	0.034	2.08	0.77
33	16.000	1.026	1062.90	1400.6	528.9	80.7	0.942	0.931	1.000	0.138	0.930	0.012	0.034	2.12	0.75
38	16.333	1.024	1060.60	1400.8	527.9	80.7	0.963	0.950	1.001	0.100	0.950	0.012	0.036	2.17	0.77
39	16.666	1.023	1058.96	1399.2	527.0	80.7	0.973	0.959	1.001	0.083	0.958	0.012	0.036	2.28	0.74
40	17.000	1.026	1062.76	1401.1	529.1	80.7	0.989	0.970	1.000	0.061	0.969	0.013	0.041	2.41	0.76
41	17.333	1.029	1065.23	1402.2	530.7	80.6	1.003	0.979	1.000	0.043	0.978	0.014	0.044	2.59	0.81
43	17.666	1.021	1057.79	1398.5	525.8	80.6	1.018	0.996	1.001	0.009	0.995	0.015	0.049	2.82	0.85
44	18.000	1.024	1060.38	1400.0	527.6	80.6	1.028	1.003	1.000	-0.007	1.002	0.015	0.052	2.98	0.87
45	18.333	1.029	1065.21	1404.1	531.3	80.7	1.039	1.008	0.999	-0.019	1.007	0.016	0.053	3.13	0.92
47	18.666	1.025	1061.75	1400.9	528.6	80.6	1.040	1.012	1.000	-0.023	1.010	0.018	0.056	3.15	0.99
48	19.000	1.023	1060.37	1399.6	527.4	80.7	1.037	1.003	1.000	-0.007	1.001	0.018	0.054	3.06	1.00

TEST	PART	REXIO-6	ALFA	WING	Y	Z	RUN SURVEY	DATE	AIRC PROPUSSION WIND TUNNEL						
IC-464	211	3.005	5.01	46	1.00	-2.00	4-214	2- 3-77	TRANSONIC 47						
POINT	X	W	VH	PI	Q	TT	VL	VHL/VH	PIL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
1	9.000	1.022	1059.63	1405.1	529.0	80.8	1.116	1.074	1.000	-0.148	1.071	0.033	0.076	4.06	1.78
2	9.333	1.025	1061.93	1399.9	528.2	80.7	1.098	1.058	0.999	-0.116	1.054	0.033	0.075	4.06	1.82
3	9.666	1.029	1064.72	1394.7	529.1	80.6	1.086	1.053	0.998	-0.107	1.050	0.034	0.075	4.07	1.85
6	10.000	1.027	1063.56	1401.5	529.6	80.7	1.085	1.046	0.999	-0.093	1.043	0.034	0.073	4.03	1.87
7	10.333	1.027	1063.54	1400.3	529.1	80.7	1.055	1.022	1.000	-0.045	1.019	0.034	0.068	3.83	1.90
8	10.666	1.029	1064.89	1400.2	529.8	80.6	0.981	0.969	1.000	0.002	0.967	0.032	0.057	3.40	1.92
9	11.000	1.023	1060.14	1400.5	527.6	80.6	0.924	0.918	1.000	0.164	0.916	0.030	0.052	3.22	1.89
10	11.333	1.023	1059.64	1400.5	527.4	80.6	0.909	0.906	1.000	0.188	0.904	0.028	0.046	2.91	1.80
11	11.666	1.024	1060.88	1402.5	528.7	80.6	0.904	0.900	1.000	0.199	0.899	0.026	0.040	2.54	1.68
12	12.000	1.027	1063.41	1401.0	529.4	80.6	0.902	0.897	1.000	0.207	0.895	0.024	0.034	2.18	1.53
13	12.333	1.029	1065.05	1400.3	529.9	80.6	0.904	0.896	1.000	0.208	0.895	0.023	0.029	1.89	1.45
14	12.666	1.029	1064.64	1400.1	529.6	80.6	0.906	0.898	1.000	0.204	0.898	0.021	0.026	1.64	1.33
18	13.000	1.026	1062.22	1402.9	529.2	80.6	0.908	0.902	1.000	0.195	0.902	0.020	0.024	1.53	1.27
19	13.333	1.023	1059.54	1400.7	527.4	80.6	0.907	0.904	1.000	0.192	0.904	0.019	0.023	1.47	1.22
20	13.666	1.025	1062.11	1401.2	528.8	80.7	0.913	0.907	1.000	0.186	0.906	0.018	0.022	1.38	1.16
21	14.000	1.028	1064.36	1401.1	529.8	80.7	0.920	0.911	1.001	0.179	0.910	0.018	0.021	1.32	1.07
23	14.333	1.023	1060.17	1399.6	527.3	80.7	0.926	0.919	1.001	0.162	0.919	0.017	0.021	1.32	1.07
28	14.666	1.026	1062.88	1399.9	528.7	80.6	0.930	0.923	1.000	0.159	0.920	0.017	0.021	1.31	1.07
29	15.000	1.027	1063.53	1402.0	529.9	80.5	0.934	0.926	1.000	0.153	0.923	0.017	0.022	1.36	1.05
30	15.333	1.028	1064.52	1401.4	530.1	80.5	0.938	0.926	1.001	0.149	0.925	0.017	0.023	1.40	1.05
32	15.666	1.027	1063.88	1399.9	528.9	80.6	0.942	0.930	1.001	0.140	0.930	0.017	0.024	1.48	1.03
33	16.000	1.024	1061.10	1400.9	528.2	80.7	0.961	0.948	1.000	0.104	0.947	0.017	0.026	1.55	1.05
34	16.333	1.027	1063.06	1401.5	529.4	80.7	0.972	0.956	1.000	0.089	0.955	0.018	0.027	1.64	1.09
35	16.666	1.028	1064.81	1401.0	529.9	80.6	0.987	0.966	1.000	0.068	0.965	0.019	0.031	1.82	1.14
37	17.000	1.026	1062.24	1400.1	528.4	80.7	1.004	0.983	1.000	0.035	0.982	0.021	0.035	2.06	1.24
38	17.333	1.026	1062.14	1400.1	528.4	80.6	1.018	0.994	1.000	0.012	0.993	0.023	0.039	2.25	1.31
39	17.666	1.029	1064.96	1401.3	530.2	80.6	1.032	1.003	1.000	-0.005	1.001	0.025	0.043	2.48	1.44
42	18.000	1.033	1059.81	1401.3	527.7	80.6	1.042	1.015	1.000	-0.031	1.014	0.028	0.047	2.65	1.59
43	18.333	1.025	1061.75	1400.7	528.4	80.7	1.043	1.014	1.000	-0.029	1.013	0.029	0.047	2.67	1.66
44	18.666	1.028	1064.36	1401.3	529.9	80.6	1.035	1.006	0.998	-0.012	1.004	0.029	0.045	2.42	1.53
57	19.000	1.030	1065.71	1401.0	530.5	80.6	1.023	0.993	1.000	0.013	0.992	0.029	0.042	2.42	1.56

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 IC-484 200 3.003 5.01 40 1.50 -5.00 4-203 2-3-77 TRANSONIC 48

POINT	X	u	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	YL/VM	ML/VM	AAL	SWL
1	9.000	1.027	1062.97	1397.4	528.9	79.8	1.075	1.038	0.998	-0.077	1.034	0.005	0.083	4.59	0.27
2	9.666	1.028	1063.04	1397.2	528.2	79.7	1.108	1.063	1.000	-0.126	1.059	0.003	0.091	4.89	0.16
3	10.333	1.030	1064.81	1395.4	528.4	79.6	1.116	1.067	1.001	-0.133	1.064	0.004	0.092	4.93	0.22
4	11.000	1.026	1061.57	1399.2	528.2	79.7	1.057	1.025	0.998	-0.051	1.021	0.008	0.084	4.70	0.46
5	11.666	1.026	1061.49	1397.7	527.6	79.7	0.934	0.924	1.000	0.151	0.922	0.011	0.065	4.04	0.67
6	12.333	1.028	1063.69	1397.1	528.4	79.7	0.929	0.919	1.000	0.163	0.917	0.010	0.059	3.71	0.65
8	13.000	1.027	1062.36	1398.6	528.3	79.8	0.926	0.917	0.999	0.165	0.915	0.011	0.055	3.42	0.66
9	13.666	1.025	1060.35	1398.4	527.4	79.7	0.925	0.918	0.999	0.164	0.916	0.010	0.052	3.26	0.63
10	14.333	1.029	1064.60	1397.5	529.0	79.8	0.929	0.918	1.000	0.164	0.916	0.009	0.049	3.07	0.59
12	15.000	1.027	1062.28	1399.6	528.7	79.8	0.932	0.922	0.998	0.153	0.921	0.010	0.047	2.93	0.56
13	15.666	1.027	1062.43	1397.2	527.8	79.8	0.938	0.927	1.000	0.146	0.926	0.009	0.047	2.89	0.56
16	16.333	1.027	1062.87	1399.4	528.8	79.9	0.943	0.930	0.999	0.137	0.929	0.009	0.047	2.93	0.56
19	17.000	1.023	1059.42	1399.7	527.3	80.0	0.963	0.951	0.998	0.096	0.950	0.009	0.050	2.99	0.52
20	17.666	1.028	1064.05	1398.0	528.8	80.1	0.989	0.968	1.000	0.064	0.966	0.008	0.053	3.16	0.48
22	18.333	1.027	1063.13	1399.9	529.1	80.1	1.011	0.986	0.999	0.025	0.985	0.009	0.060	3.47	0.50
27	19.000	1.023	1059.66	1399.0	527.1	80.0	1.040	1.013	0.998	-0.027	1.011	0.010	0.067	3.77	0.54

TEST	PART	MEX10-6	ALFA	WING	Y	Z	RUN SURVEY	DATE	AEDC PROPUSSION WIND TUNNEL						
TC-484	212	3.003	5.01	4%	1.50	-4.00	4-215	2-3-77	TRANSONIC 43						
POINT	X	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SNL
4	9.000	1.028	1064.12	1401.6	530.0	80.5	1.108	1.063	1.000	-0.126	0.982	0.009	0.089	4.78	0.50
5	9.333	1.027	1063.54	1399.9	529.1	80.5	1.123	1.075	0.999	-0.150	0.982	0.008	0.093	4.96	0.44
6	9.666	1.029	1065.40	1400.4	530.1	80.6	1.119	1.070	0.999	-0.142	0.982	0.010	0.092	4.91	0.53
7	10.000	1.024	1061.10	1401.0	528.3	80.6	1.114	1.071	0.999	-0.142	0.982	0.009	0.094	5.01	0.50
8	10.333	1.023	1059.50	1401.0	527.6	80.5	1.103	1.064	0.999	-0.178	0.982	0.008	0.094	5.09	0.45
9	10.666	1.025	1061.43	1400.1	528.1	80.7	1.064	1.032	0.999	-0.065	0.982	0.010	0.086	4.76	0.58
10	11.000	1.028	1064.57	1401.5	530.1	80.6	1.010	0.985	0.999	0.029	0.982	0.012	0.074	4.29	0.68
11	11.333	1.029	1065.20	1400.6	530.0	80.7	0.938	0.926	1.000	0.149	0.923	0.013	0.064	3.96	0.83
12	11.666	1.026	1064.34	1400.1	529.4	80.7	0.930	0.919	1.000	0.163	0.917	0.014	0.060	3.75	0.87
13	12.000	1.029	1065.14	1400.1	529.8	80.6	0.924	0.914	1.000	0.172	0.912	0.015	0.057	3.56	0.92
14	12.333	1.025	1061.53	1402.4	529.1	80.5	0.923	0.915	0.999	0.168	0.914	0.015	0.054	3.39	0.92
15	12.666	1.026	1062.87	1401.7	529.3	80.5	0.920	0.912	1.000	0.176	0.910	0.015	0.052	3.28	0.92
16	13.000	1.028	1064.55	1400.5	529.7	80.6	0.921	0.911	1.000	0.177	0.910	0.015	0.049	3.10	0.93
18	13.333	1.028	1064.25	1400.3	529.5	80.6	0.923	0.913	1.000	0.174	0.912	0.014	0.046	2.92	0.91
19	13.666	1.029	1065.01	1400.8	530.0	80.6	0.924	0.914	1.000	0.173	0.912	0.014	0.045	2.84	0.89
21	14.000	1.027	1063.45	1400.5	529.2	80.6	0.926	0.917	1.000	0.166	0.916	0.014	0.044	2.73	0.88
22	14.333	1.026	1062.15	1400.7	528.8	80.4	0.927	0.919	1.000	0.163	0.918	0.014	0.043	2.68	0.85
23	14.666	1.028	1063.76	1401.3	529.7	80.5	0.930	0.920	1.000	0.161	0.919	0.013	0.042	2.63	0.84
26	15.000	1.024	1060.46	1401.5	528.2	80.6	0.933	0.925	1.000	0.149	0.924	0.013	0.041	2.57	0.83
27	15.333	1.024	1060.58	1399.8	527.6	80.5	0.936	0.927	1.001	0.146	0.926	0.013	0.041	2.53	0.80
28	15.666	1.029	1064.61	1401.2	530.1	80.5	0.939	0.926	1.000	0.147	0.925	0.013	0.041	2.56	0.80
31	16.000	1.028	1065.39	1399.8	529.8	80.6	0.942	0.928	1.000	0.144	0.927	0.013	0.041	2.56	0.77
34	16.333	1.025	1061.42	1401.6	528.7	80.5	0.961	0.948	1.000	0.106	0.947	0.013	0.043	2.59	0.77
35	16.666	1.023	1060.05	1400.7	527.7	80.6	0.964	0.955	1.000	0.090	0.954	0.012	0.044	2.66	0.74
36	17.000	1.024	1062.73	1402.2	529.6	80.5	0.981	0.963	1.000	0.074	0.962	0.012	0.046	2.76	0.72
37	17.333	1.024	1064.90	1400.4	529.8	80.6	0.992	0.970	1.000	0.060	0.969	0.012	0.049	2.88	0.72
38	17.666	1.023	1060.20	1401.2	527.9	80.7	1.009	0.988	1.000	0.024	0.987	0.012	0.053	3.07	0.72
39	18.000	1.024	1060.52	1402.0	528.4	80.6	1.020	0.997	1.000	0.005	0.995	0.013	0.057	3.26	0.74
40	18.333	1.025	1061.48	1399.6	527.9	80.6	1.032	1.006	1.001	-0.011	1.004	0.013	0.059	3.39	0.72
42	18.666	1.022	1059.56	1401.5	527.7	80.7	1.051	1.023	1.000	-0.045	1.020	0.014	0.064	3.60	0.79
43	19.000	1.021	1058.43	1400.1	526.6	80.7	1.054	1.026	1.000	-0.052	1.024	0.015	0.066	3.67	0.81

TEST PART MX10-6 ALPHA 5.01 2 1.50 -3.00 RUN SURVEY
TC-484 213 3.003

DATE
2-3-77

WIND 46
4-216

AEDC PROPULSION WIND TUNNEL
TRANSONIC 4T

POINT	X	H	VH	PT	Q	TT	ML	YHL/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	AWL
3	9.000	1.028	1064.68	1402.1	530.3	80.7	1.129	1.078	0.999	-0.157	1.074	0.014	0.090	4.81	0.77
4	9.333	1.030	1065.72	1398.9	529.7	80.6	1.117	1.069	0.998	-0.139	1.065	0.017	0.089	4.80	0.90
5	9.666	1.025	1062.14	1400.1	528.4	80.7	1.126	1.079	0.999	-0.159	1.075	0.015	0.092	4.91	0.79
6	10.000	1.024	1061.17	1401.9	528.7	80.6	1.109	1.067	0.998	-0.136	1.063	0.014	0.092	4.93	0.77
7	10.333	1.025	1061.20	1400.0	528.0	80.6	1.061	1.052	0.999	-0.106	1.049	0.015	0.088	4.80	0.84
8	10.666	1.026	1062.86	1401.1	529.2	80.6	1.030	1.003	0.999	-0.066	1.000	0.018	0.075	4.30	1.04
9	11.000	1.027	1063.25	1400.7	529.2	80.5	0.938	0.927	0.999	0.145	0.924	0.020	0.064	3.94	1.22
10	11.333	1.029	1065.21	1400.6	530.1	80.6	0.927	0.916	0.999	0.167	0.914	0.020	0.058	3.61	1.27
11	11.666	1.023	1059.80	1400.8	527.6	80.5	0.919	0.913	1.000	0.173	0.912	0.021	0.054	3.41	1.31
12	12.000	1.024	1060.74	1400.5	527.9	80.7	0.913	0.908	1.000	0.184	0.906	0.021	0.051	3.19	1.31
13	12.333	1.025	1062.05	1400.9	528.7	80.6	0.911	0.905	1.000	0.188	0.904	0.020	0.046	2.94	1.28
14	12.666	1.027	1063.44	1401.1	529.5	80.5	0.913	0.905	1.000	0.188	0.904	0.020	0.043	2.72	1.25
15	13.000	1.028	1064.50	1400.6	529.7	80.6	0.914	0.906	1.000	0.188	0.905	0.020	0.040	2.55	1.26
16	13.333	1.028	1064.77	1401.9	530.3	80.8	0.917	0.908	1.000	0.184	0.907	0.020	0.037	2.37	1.24
19	13.666	1.029	1065.66	1401.1	530.4	80.8	0.919	0.909	1.000	0.182	0.908	0.019	0.036	2.24	1.18
20	14.000	1.022	1059.14	1400.5	527.1	80.7	0.920	0.915	1.001	0.172	0.914	0.019	0.035	2.21	1.15
21	14.333	1.024	1060.93	1402.2	528.6	80.7	0.924	0.917	1.000	0.165	0.916	0.017	0.035	2.17	1.09
22	14.666	1.026	1063.90	1400.8	529.5	80.7	0.928	0.918	1.000	0.163	0.918	0.017	0.034	2.11	1.06
28	15.000	1.026	1062.56	1401.5	529.1	80.7	0.933	0.924	1.000	0.152	0.923	0.017	0.033	2.05	1.03
29	15.333	1.025	1061.33	1399.9	527.9	80.7	0.935	0.926	1.000	0.147	0.926	0.016	0.034	2.07	0.98
30	15.666	1.029	1064.91	1401.0	530.0	80.7	0.939	0.926	1.000	0.147	0.926	0.016	0.034	2.09	0.97
34	16.000	1.025	1061.38	1400.0	528.0	80.7	0.942	0.932	1.000	0.136	0.932	0.016	0.035	2.16	0.98
35	16.333	1.024	1060.90	1400.8	528.1	80.7	0.961	0.949	1.000	0.103	0.948	0.016	0.037	2.23	0.97
36	16.666	1.027	1063.07	1401.9	529.6	80.6	0.974	0.957	1.000	0.086	0.956	0.015	0.039	2.35	0.93
37	17.000	1.030	1065.68	1402.1	530.8	80.7	0.989	0.968	1.000	0.065	0.966	0.016	0.042	2.49	0.86
39	17.333	1.024	1061.08	1400.0	527.9	80.6	1.006	0.985	1.000	0.030	0.984	0.017	0.047	2.73	0.78
40	17.666	1.025	1061.64	1400.1	528.2	80.6	1.018	0.994	1.000	0.011	0.993	0.017	0.051	2.94	1.00
41	18.000	1.030	1065.66	1401.1	530.4	80.7	1.033	1.003	1.000	-0.007	1.001	0.018	0.055	3.15	1.05
44	18.333	1.024	1060.64	1400.7	527.9	80.7	1.046	1.018	1.000	-0.036	1.016	0.020	0.059	3.34	1.14
45	18.666	1.027	1063.03	1399.9	528.7	80.7	1.046	1.015	1.000	-0.031	1.013	0.021	0.059	3.35	1.18
48	19.000	1.021	1057.93	1400.3	526.5	80.7	1.026	1.004	1.001	-0.008	1.003	0.022	0.056	3.18	1.24

TEST PART REX10-6 ALPHA WING Y 2 PUN SURVEY DTF AEDC PROPUSSION WIND TUNNEL
 TC-484 214 2.994 5.01 49 1.50 -2.00 4-217 2-3-77 TRANSOMIC 47

POINT	X	M	VM	PT	Q	TT	ML	VHL/VM	PTL/PT	CPL	UL/VM	VL/VM	HL/VM	AAL	SML
2	9.000	1.020	1057.86	1400.4	526.5	80.7	1.125	1.083	0.999	-0.165	1.078	0.030	0.093	4.95	1.59
3	9.333	1.030	1045.64	1403.0	531.1	80.7	1.124	1.074	0.997	-0.151	1.070	0.029	0.092	4.94	1.55
4	9.666	1.024	1042.14	1400.1	528.4	80.6	1.110	1.067	0.999	-0.134	1.062	0.030	0.091	4.88	1.62
5	10.000	1.028	1043.89	1400.2	529.3	80.6	1.096	1.054	0.998	-0.110	1.050	0.031	0.089	4.77	1.69
6	10.333	1.029	1044.79	1402.9	530.7	80.7	1.069	1.032	0.998	-0.067	1.029	0.032	0.081	4.53	1.81
7	10.666	1.029	1045.16	1400.9	530.1	80.7	0.990	0.968	0.999	0.063	0.965	0.034	0.060	4.01	2.00
8	11.000	1.023	1040.09	1400.6	527.7	80.6	0.924	0.917	0.999	0.164	0.915	0.034	0.060	3.72	2.12
9	11.333	1.025	1041.67	1402.1	528.9	80.7	0.909	0.903	1.000	0.192	0.901	0.033	0.053	3.34	2.07
10	11.666	1.025	1042.05	1400.7	528.6	80.7	0.904	0.899	1.001	0.202	0.898	0.032	0.046	2.96	2.04
11	12.000	1.027	1043.74	1400.3	529.3	80.6	0.902	0.896	1.000	0.208	0.894	0.030	0.039	2.48	1.91
12	12.333	1.029	1045.30	1400.6	530.1	80.6	0.903	0.896	1.000	0.209	0.894	0.029	0.034	2.19	1.84
13	12.666	1.028	1044.45	1400.5	529.6	80.7	0.904	0.897	1.000	0.205	0.896	0.027	0.030	1.89	1.70
14	13.000	1.029	1045.03	1399.7	529.6	80.7	0.906	0.899	1.000	0.203	0.898	0.026	0.027	1.75	1.63
15	13.333	1.024	1040.86	1401.5	528.3	80.7	0.910	0.905	1.000	0.190	0.904	0.024	0.025	1.61	1.54
16	13.666	1.022	1039.44	1400.7	527.3	80.7	0.911	0.907	1.000	0.185	0.907	0.023	0.024	1.54	1.44
17	14.000	1.024	1041.16	1401.5	528.5	80.7	0.916	0.910	1.000	0.179	0.910	0.022	0.024	1.46	1.35
18	14.333	1.026	1042.41	1401.2	529.9	80.7	0.922	0.914	1.000	0.172	0.914	0.022	0.023	1.46	1.35
19	14.666	1.027	1043.84	1400.1	529.2	80.7	0.928	0.918	1.000	0.165	0.917	0.020	0.023	1.45	1.26
20	15.000	1.026	1042.45	1400.7	528.8	80.7	0.934	0.924	1.000	0.152	0.924	0.020	0.024	1.49	1.24
21	15.333	1.025	1041.35	1400.9	528.3	80.7	0.936	0.927	1.000	0.152	0.924	0.020	0.024	1.49	1.24
22	15.666	1.028	1044.16	1401.5	529.9	80.7	0.941	0.928	1.000	0.143	0.928	0.019	0.026	1.62	1.19
23	16.000	1.027	1043.31	1401.4	529.4	80.7	0.961	0.946	1.000	0.108	0.945	0.019	0.029	1.73	1.18
24	16.333	1.026	1043.02	1401.6	528.4	80.7	0.970	0.954	1.000	0.092	0.953	0.020	0.031	1.87	1.10
25	16.666	1.025	1041.34	1400.5	528.2	80.7	0.948	0.930	1.000	0.059	0.970	0.021	0.035	2.09	1.25
26	17.000	1.026	1042.20	1400.6	528.6	80.7	1.003	0.982	1.000	0.037	0.981	0.023	0.040	2.33	1.32
27	17.333	1.029	1045.03	1402.4	530.6	80.8	1.023	0.995	1.000	0.009	0.994	0.025	0.045	2.61	1.44
28	17.666	1.027	1043.34	1402.8	529.9	80.8	1.032	1.004	1.000	-0.008	1.002	0.028	0.051	2.88	1.58
29	18.000	1.024	1041.40	1401.0	528.3	80.9	1.038	1.011	1.000	-0.023	1.009	0.030	0.054	3.04	1.71
30	18.333	1.028	1044.28	1402.7	530.2	81.0	1.043	1.012	0.999	-0.026	1.010	0.032	0.055	3.11	1.80
31	18.666	1.025	1041.65	1403.6	529.4	80.9	1.028	1.002	0.999	-0.006	1.001	0.031	0.051	2.94	1.80
32	19.000	1.023	1040.13	1402.6	528.3	80.6	1.016	0.994	0.999	0.010	0.993	0.030	0.047	2.74	1.72

TEST	PRST	RESIN-6	ALFA	WING	Y	Z	RUN SURVEY	DATE	AEDC PROPELLSION WIND TUNNEL						
TC-484	231	3.001	5.01	48	1.50	-1.50	4-233	2- 3-77	TRANSONIC 42						
POINT	X	M	VM	PT	Q	TP	PL	VVL/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SML
2	9.000	1.026	1043.71	1403.1	530.6	41.7	1.115	1.070	0.999	-0.141	1.065	0.045	0.094	5.04	2.41
3	9.333	1.027	1043.49	1403.6	531.6	41.7	1.101	1.050	0.998	-0.119	1.053	0.046	0.093	5.06	2.41
4	9.666	1.027	1044.50	1404.3	530.7	41.6	1.070	1.040	0.999	-0.100	1.044	0.046	0.093	5.07	2.53
5	10.000	1.029	1045.96	1404.9	530.4	41.6	1.078	1.039	0.999	-0.079	1.034	0.046	0.090	5.00	2.50
6	10.333	1.024	1045.40	1404.3	531.1	41.7	1.051	1.018	0.999	-0.079	1.014	0.047	0.085	4.79	2.65
9	10.666	1.021	1045.50	1404.3	528.3	41.7	0.930	0.925	1.000	0.150	0.921	0.046	0.072	4.46	2.85
12	11.000	1.028	1045.70	1404.1	531.1	41.7	0.918	0.908	1.000	0.193	0.906	0.044	0.057	3.62	2.76
13	11.333	1.029	1046.55	1404.4	531.6	41.7	0.905	0.897	1.000	0.205	0.895	0.042	0.047	3.01	2.63
14	11.666	1.029	1047.60	1404.3	528.3	41.7	0.891	0.881	1.001	0.219	0.889	0.039	0.040	2.57	2.52
15	12.000	1.023	1046.64	1404.0	528.7	41.7	0.886	0.866	1.000	0.228	0.884	0.036	0.033	2.15	2.36
16	12.333	1.024	1046.70	1404.5	528.9	41.7	0.881	0.848	1.000	0.223	0.887	0.033	0.028	1.79	2.16
17	12.666	1.024	1046.95	1404.6	530.5	41.7	0.864	0.892	1.000	0.217	0.891	0.031	0.024	1.51	2.01
18	13.000	1.024	1046.91	1404.6	531.1	41.6	0.902	0.866	1.001	0.204	0.896	0.029	0.021	1.35	1.86
19	13.333	1.027	1044.50	1403.9	530.6	41.6	0.908	0.901	1.000	0.189	0.900	0.027	0.019	1.23	1.75
20	13.666	1.025	1045.50	1404.1	531.1	41.6	0.914	0.906	1.000	0.176	0.905	0.025	0.019	1.17	1.61
21	14.000	1.021	1050.65	1404.6	526.4	41.7	0.916	0.912	1.000	0.170	0.912	0.024	0.019	1.21	1.53
22	14.333	1.023	1042.45	1404.4	529.7	41.6	0.923	0.916	1.001	0.162	0.915	0.024	0.019	1.18	1.48
23	14.666	1.027	1044.51	1404.7	530.6	41.6	0.930	0.920	1.001	0.153	0.924	0.023	0.020	1.23	1.42
25	15.000	1.026	1045.39	1404.7	530.9	41.5	0.936	0.924	1.001	0.139	0.924	0.022	0.021	1.31	1.38
26	15.333	1.022	1040.06	1402.7	527.9	41.7	0.939	0.931	1.001	0.135	0.931	0.022	0.023	1.30	1.30
27	15.666	1.025	1042.84	1403.6	529.6	41.6	0.943	0.933	1.000	0.135	0.932	0.022	0.022	1.49	1.33
28	16.000	1.028	1045.91	1405.0	531.9	41.7	0.970	0.953	1.000	0.095	0.952	0.022	0.027	1.63	1.35
31	16.333	1.025	1042.29	1403.7	529.4	41.5	0.946	0.940	1.001	0.065	0.967	0.024	0.031	1.86	1.40
32	16.666	1.025	1042.04	1403.4	529.6	41.5	0.946	0.940	1.001	0.065	0.967	0.024	0.031	1.86	1.40
33	17.000	1.028	1045.77	1405.7	532.1	41.6	1.019	0.992	1.001	0.043	0.978	0.025	0.036	2.08	1.49
35	17.333	1.024	1043.44	1403.3	529.9	41.6	1.019	0.992	1.001	0.043	0.978	0.025	0.036	2.08	1.49
36	17.666	1.024	1041.82	1403.0	528.9	41.7	1.043	1.006	1.001	-0.011	1.004	0.032	0.048	2.74	1.62
37	18.000	1.027	1044.70	1404.5	530.8	41.7	1.052	1.015	1.000	-0.030	1.013	0.035	0.053	2.97	1.67
40	18.333	1.026	1045.94	1405.8	531.2	41.6	1.052	1.020	1.000	-0.039	1.017	0.038	0.056	3.16	1.68
46	18.666	1.024	1043.51	1403.1	530.5	41.7	1.052	1.018	1.001	-0.021	1.008	0.040	0.057	3.24	1.68
47	19.000	1.029	1045.98	1405.9	531.9	41.7	1.032	1.003	1.000	-0.021	1.008	0.038	0.053	2.99	1.59
										-0.005	1.001	0.035	0.049	2.80	2.30

TEST PART PERIOD-6 ALPHA WING Y DATE AERC PROPULSION WIND TUNNEL
TC-484 201 2.997 5.01 48 2.00 -5.00 RUN SUPPLY 4-204 2-3-77 TRANSONIC 42

POINT	X	M	Y	W	PT	Q	TT	ML	YML/VN	PZL/PT	CPD	UL/VN	VL/VN	WL/VN	AAL	SUE
4	10.333	1.025	1061.44	1397.8	1397.8	527.5	80.0	1.104	1.062	1.003	-0.120	1.058	0.002	0.091	4.90	0.18
5	11.000	1.027	1062.47	1394.0	1394.0	526.6	80.0	1.078	1.041	1.000	-0.080	1.037	0.006	0.088	4.82	0.33
6	11.666	1.023	1059.67	1401.9	1401.9	528.2	80.0	0.937	0.928	1.000	0.142	0.926	0.012	0.065	4.04	0.77
7	12.333	1.025	1060.94	1398.4	1398.4	527.7	80.0	0.930	0.921	1.002	0.160	0.919	0.012	0.060	3.76	0.75
8	13.000	1.024	1063.72	1396.4	1396.4	528.1	80.0	0.933	0.921	1.004	0.162	0.920	0.012	0.055	3.44	0.76
11	13.666	1.024	1059.66	1399.2	1399.2	527.3	80.0	0.928	0.921	1.000	0.158	0.919	0.013	0.052	3.23	0.79
12	14.333	1.027	1062.71	1401.6	1401.6	529.6	80.0	0.926	0.917	0.998	0.163	0.915	0.012	0.050	3.12	0.76
14	15.000	1.026	1062.03	1399.7	1399.7	528.5	80.0	0.931	0.922	0.999	0.155	0.920	0.011	0.048	2.96	0.69
15	15.666	1.029	1064.29	1397.5	1397.5	528.8	79.9	0.940	0.927	1.001	0.147	0.926	0.010	0.046	2.87	0.68
19	16.333	1.027	1062.42	1398.3	1398.3	528.7	80.1	0.944	0.932	1.000	0.135	0.931	0.011	0.047	2.90	0.87
23	17.000	1.025	1061.42	1399.7	1399.7	528.2	80.1	0.979	0.962	1.002	0.079	0.961	0.010	0.049	2.94	0.51
29	17.666	1.025	1061.29	1403.5	1403.5	529.5	80.3	0.998	0.979	1.000	0.043	0.977	0.011	0.054	3.13	0.63
30	18.333	1.027	1062.67	1397.1	1397.1	527.7	80.3	1.016	0.992	1.001	0.017	0.990	0.009	0.059	3.32	0.51
31	19.000	1.025	1061.49	1403.5	1403.5	529.5	80.4	1.052	1.022	0.999	-0.044	1.019	0.012	0.067	3.76	0.57

TEST PART REX10-6 ALPHA MING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
IC-484 216 3.008 5.01 48 2.00 -4.00 2- 3-77 TRANSONIC 4T

POINT	X	Y	Z	PT	Q	IT	ML	VML/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
13	10.000	1.029	1065.97	1404.8	531.7	80.9	1.111	1.064	0.997	-0.132	1.061	0.005	0.089	4.81	0.26
15	10.333	1.024	1061.09	1400.0	528.1	80.7	1.120	1.075	1.000	-0.149	1.071	0.008	0.095	5.06	0.41
16	10.666	1.026	1062.68	1400.0	528.6	80.8	1.074	1.038	0.999	-0.077	1.034	0.010	0.088	4.84	0.54
17	11.000	1.026	1062.51	1404.1	530.0	80.8	0.999	0.978	1.000	0.043	0.975	0.013	0.074	4.35	0.76
18	11.333	1.026	1062.94	1402.3	529.5	80.9	0.936	0.926	1.000	0.148	0.923	0.016	0.066	4.08	0.97
19	11.666	1.027	1063.30	1400.8	529.1	80.9	0.929	0.920	1.000	0.160	0.918	0.016	0.062	3.88	1.00
20	12.000	1.028	1064.71	1401.0	529.9	80.8	0.926	0.916	1.000	0.169	0.914	0.017	0.058	3.64	1.04
25	12.333	1.023	1060.24	1400.7	527.7	80.8	0.924	0.918	1.000	0.164	0.916	0.018	0.054	3.39	1.10
26	12.666	1.025	1062.23	1402.4	529.2	80.9	0.920	0.913	1.000	0.173	0.911	0.017	0.053	3.34	1.09
27	13.000	1.027	1063.85	1403.4	530.3	80.9	0.921	0.912	1.000	0.175	0.911	0.018	0.050	3.14	1.10
28	13.333	1.029	1065.05	1403.6	531.0	80.9	0.922	0.912	1.000	0.176	0.910	0.017	0.048	3.00	1.08
31	13.666	1.021	1059.27	1402.3	527.2	81.0	0.922	0.918	1.000	0.164	0.917	0.017	0.046	2.88	1.08
32	14.000	1.021	1059.78	1402.5	527.6	80.9	0.923	0.918	1.000	0.164	0.917	0.016	0.045	2.81	1.03
33	14.333	1.024	1064.84	1402.8	530.6	80.9	0.927	0.916	1.001	0.169	0.915	0.017	0.043	2.71	1.04
42	14.666	1.026	1062.97	1404.8	530.5	80.9	0.930	0.920	1.000	0.158	0.919	0.016	0.042	2.63	1.01
49	15.000	1.025	1062.30	1403.0	528.7	81.0	0.933	0.924	1.000	0.152	0.923	0.016	0.041	2.54	1.01
51	15.333	1.022	1059.45	1403.8	528.4	81.0	0.936	0.929	1.001	0.143	0.928	0.015	0.041	2.56	0.95
52	15.666	1.023	1059.73	1402.4	528.1	80.8	0.938	0.930	1.000	0.140	0.929	0.015	0.042	2.56	0.90
53	16.000	1.024	1062.69	1402.9	531.0	81.0	0.942	0.928	1.000	0.143	0.927	0.015	0.041	2.56	0.91
54	16.333	1.025	1062.13	1402.8	529.3	80.9	0.959	0.946	1.001	0.109	0.945	0.015	0.042	2.56	0.89
57	16.666	1.025	1062.43	1402.8	529.3	81.2	0.969	0.954	1.001	0.093	0.953	0.015	0.044	2.65	0.88
58	17.000	1.028	1064.54	1403.4	530.6	81.1	0.981	0.962	0.999	0.075	0.961	0.014	0.046	2.73	0.85
62	17.333	1.024	1061.23	1402.6	528.6	81.0	0.994	0.975	1.000	0.049	0.974	0.014	0.049	2.89	0.82
63	17.666	1.029	1065.45	1404.0	531.2	81.1	1.008	0.983	1.000	0.033	0.982	0.014	0.053	3.08	0.82
64	18.000	1.026	1063.27	1402.1	529.5	81.1	1.022	0.996	1.000	0.007	0.995	0.014	0.057	3.28	0.83
69	18.333	1.027	1064.02	1403.0	529.8	81.1	1.037	1.008	1.000	-0.016	1.006	0.015	0.061	3.47	0.86
70	18.666	1.029	1065.58	1402.9	530.9	81.1	1.052	1.018	1.000	-0.036	1.016	0.016	0.064	3.53	0.88
72	19.000	1.026	1062.82	1402.4	529.3	81.2	1.059	1.026	1.000	-0.052	1.024	0.016	0.067	3.73	0.89

TEST PART MEX10-6
IC-484 217 3.007 5.01 2.00

SUN SURVEY
4-210

DATE
2-3-77

AEDC PROPELLSION WIND TUNNEL
TRANSONIC 47

POINT	X	M	ALFA	WTC	Y	VL	VL/VN	DTL/DT	CPL	UL/VN	VL/VN	WL/VN	AAL	SUL
2	10.000	1.026	1042.70	1426.0	530.7	1.123	1.076	0.999	-0.153	1.072	0.014	0.094	5.01	0.74
7	10.333	1.027	1043.72	1427.2	530.7	1.117	1.071	1.000	-0.141	1.067	0.015	0.094	5.03	0.79
9	10.666	1.027	1044.19	1428.3	530.7	1.035	1.006	0.999	-0.014	1.003	0.018	0.079	4.53	1.02
10	11.000	1.026	1044.90	1429.1	530.7	0.944	0.931	1.000	0.136	0.928	0.022	0.067	4.13	1.33
10	11.333	1.028	1045.48	1429.3	530.7	0.928	0.917	1.000	0.165	0.915	0.023	0.061	3.83	1.43
12	11.666	1.029	1045.83	1429.6	530.7	0.922	0.912	1.000	0.176	0.910	0.024	0.055	3.49	1.50
13	12.000	1.030	1046.19	1429.8	531.0	0.915	0.908	1.000	0.184	0.906	0.024	0.052	3.28	1.53
20	12.333	1.024	1045.57	1428.3	529.7	0.910	0.905	1.000	0.190	0.903	0.024	0.049	3.12	1.53
21	12.666	1.025	1047.34	1429.2	529.7	0.913	0.906	1.000	0.187	0.905	0.024	0.045	2.86	1.54
22	13.000	1.026	1042.89	1423.1	529.7	0.913	0.906	1.000	0.188	0.905	0.024	0.042	2.68	1.52
23	13.333	1.027	1043.82	1424.4	529.7	0.915	0.908	1.000	0.185	0.906	0.024	0.040	2.50	1.49
24	13.666	1.028	1045.75	1423.6	531.0	0.919	0.909	1.000	0.182	0.908	0.023	0.037	2.33	1.43
26	14.000	1.024	1041.68	1423.1	529.7	0.921	0.914	1.000	0.171	0.913	0.022	0.036	2.24	1.41
27	14.333	1.024	1041.35	1423.4	529.7	0.923	0.916	1.000	0.167	0.915	0.021	0.035	2.18	1.33
28	14.666	1.024	1044.54	1423.4	530.7	0.928	0.918	1.000	0.164	0.917	0.021	0.034	2.12	1.29
32	15.000	1.025	1042.12	1427.2	529.7	0.932	0.924	1.000	0.153	0.923	0.020	0.034	2.10	1.26
40	15.333	1.027	1044.07	1423.3	529.7	0.937	0.925	1.001	0.150	0.925	0.019	0.034	2.09	1.21
41	15.666	1.025	1042.35	1424.0	529.7	0.938	0.928	1.000	0.143	0.927	0.019	0.034	2.12	1.16
42	16.000	1.028	1044.35	1423.6	530.7	0.942	0.929	1.000	0.141	0.929	0.018	0.035	2.16	1.14
46	16.333	1.027	1044.15	1421.1	529.7	0.943	0.947	1.001	0.127	0.946	0.018	0.037	2.24	1.18
48	16.666	1.026	1045.55	1423.3	531.0	0.976	0.959	1.000	0.083	0.958	0.018	0.039	2.34	1.08
50	17.000	1.027	1044.03	1422.9	530.7	0.993	0.972	1.001	0.057	0.971	0.019	0.044	2.57	1.10
51	17.333	1.026	1045.39	1423.1	530.7	1.006	0.983	1.000	0.034	0.982	0.019	0.048	2.78	1.19
52	17.666	1.030	1046.14	1424.4	531.0	1.024	0.996	0.999	0.008	0.994	0.020	0.053	3.06	1.13
53	18.000	1.029	1045.52	1424.2	530.7	1.041	1.010	1.000	-0.020	1.008	0.020	0.058	3.31	1.25
55	18.333	1.025	1042.45	1423.8	529.7	1.055	1.024	1.000	-0.048	1.022	0.022	0.062	3.48	1.35
56	18.666	1.027	1044.03	1423.0	530.7	1.052	1.020	1.000	-0.040	1.018	0.024	0.062	3.47	1.34
58	19.000	1.024	1041.49	1423.3	529.7	1.032	1.006	1.000	-0.013	1.004	0.025	0.058	3.39	1.41

TEST	PART	PEX10-6	ALPA	WING	Y	Z	RUC SURVEY	DATE	AEDC PROPULSION WIND TUNNEL						
TC-484	218	3.001	5.01	48	2.00	-2.00	4-220	2-3-77	TRANSONIC 41						
POINT	X	M	VW	PT	Q	TT	WL	VNL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SML
6	10.000	1.027	1063.58	1402.9	529.9	41.1	1.114	1.069	0.999	-0.139	1.064	0.023	0.098	5.26	1.26
7	10.333	1.026	1063.51	1404.5	520.5	41.2	1.076	1.039	0.999	-0.090	1.035	0.027	0.090	4.96	1.49
8	10.666	1.028	1064.96	1401.5	530.1	41.0	1.000	0.977	1.000	0.046	0.973	0.032	0.076	4.48	1.08
9	11.000	1.028	1065.07	1402.1	530.3	41.1	0.929	0.916	0.999	0.162	0.915	0.034	0.066	4.13	2.13
11	11.333	1.024	1061.16	1403.3	526.6	41.2	0.912	0.907	1.000	0.187	0.904	0.035	0.058	3.68	2.23
12	11.666	1.024	1060.96	1402.1	528.4	41.2	0.902	0.896	1.000	0.203	0.896	0.036	0.051	3.28	2.28
13	12.000	1.027	1064.00	1403.9	520.5	41.2	0.901	0.895	1.000	0.208	0.894	0.035	0.045	2.87	2.24
14	12.333	1.028	1064.89	1402.7	520.4	41.2	0.900	0.894	1.000	0.211	0.893	0.034	0.039	2.51	2.16
16	12.666	1.021	1058.71	1402.2	527.4	41.1	0.899	0.898	1.000	0.205	0.896	0.032	0.034	2.16	2.07
22	13.000	1.027	1063.84	1403.6	516.2	41.3	0.905	0.899	1.000	0.202	0.898	0.031	0.029	1.87	1.97
23	13.333	1.027	1063.42	1402.4	520.8	41.2	0.908	0.901	1.000	0.198	0.900	0.029	0.027	1.72	1.85
24	13.666	1.028	1065.44	1403.4	531.0	41.2	0.913	0.904	1.000	0.191	0.903	0.026	0.025	1.59	1.75
26	14.000	1.024	1061.53	1403.0	529.0	41.2	0.918	0.912	1.000	0.177	0.911	0.026	0.024	1.52	1.65
27	14.333	1.023	1060.61	1402.8	528.5	41.2	0.920	0.915	1.000	0.171	0.914	0.025	0.024	1.52	1.58
28	14.666	1.026	1062.80	1404.1	530.0	41.2	0.925	0.917	0.999	0.164	0.917	0.024	0.024	1.50	1.48
29	15.000	1.027	1064.28	1402.9	530.2	41.3	0.932	0.921	1.000	0.158	0.921	0.023	0.024	1.51	1.42
34	15.333	1.027	1064.13	141.6	530.0	41.2	0.937	0.926	1.000	0.148	0.925	0.022	0.025	1.57	1.37
35	15.666	1.024	1063.12	1402.4	529.5	41.2	0.939	0.929	1.001	0.144	0.928	0.021	0.027	1.65	1.32
36	16.000	1.030	1066.46	1403.7	531.5	41.3	0.944	0.930	1.000	0.141	0.929	0.021	0.029	1.78	1.30
37	16.333	1.028	1064.98	1402.5	530.4	41.2	0.972	0.954	1.001	0.092	0.954	0.021	0.032	1.93	1.27
39	16.666	1.027	1063.84	1403.2	530.1	41.3	0.989	0.970	1.000	0.060	0.969	0.022	0.037	2.16	1.29
40	17.000	1.025	1062.83	1403.2	529.6	41.4	1.005	0.993	1.001	0.035	0.982	0.023	0.041	2.42	1.35
41	17.333	1.024	1064.97	1405.2	531.3	41.4	1.021	0.995	1.000	0.012	0.993	0.025	0.047	2.74	1.45
43	17.666	1.028	1064.47	1402.5	530.1	41.3	1.034	1.006	1.001	-0.010	1.004	0.028	0.055	3.11	1.58
44	18.000	1.027	1063.71	1401.6	528.4	41.3	1.044	1.014	1.000	-0.028	1.012	0.029	0.058	3.30	1.66
46	18.333	1.023	1060.84	1404.4	529.1	41.3	1.048	1.020	0.999	-0.040	1.017	0.033	0.060	3.39	1.84
47	18.666	1.022	1059.82	1402.6	527.9	41.4	1.023	1.001	1.000	-0.002	0.999	0.033	0.055	3.15	1.87
48	19.000	1.028	1064.60	1404.1	530.7	41.4	1.011	0.987	0.999	0.026	0.985	0.031	0.050	2.88	1.78

TEST	PART	REV	ALFA	WING	Y	Z	PUN	SURVEY	DATE	AEDC	PROPULSION	WIND	TUNNEL		
TC-404	232	2.000	0.01	40	2.00	-1.50	4-234	2-3-77	2-3-77	TRANSONIC	4T				
POINT	X	Y	VM	PT	O	TT	ML	VML/VM	PTI/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.000	1.025	1062.62	1403.0	529.3	81.7	1.107	1.065	1.000	-0.129	1.059	0.044	0.096	5.15	2.35
5	10.333	1.030	1064.64	1404.9	531.8	81.7	1.084	1.027	0.998	-0.057	1.022	0.035	0.094	5.24	1.96
9	10.666	1.024	1062.15	1404.4	529.5	81.7	0.930	0.922	1.000	0.156	0.917	0.040	0.080	4.96	2.52
11	11.000	1.024	1063.00	1403.9	529.6	81.6	0.923	0.915	1.000	0.170	0.912	0.044	0.067	4.17	2.74
12	11.333	1.024	1061.36	1405.0	529.5	81.6	0.884	0.882	0.999	0.215	0.889	0.044	0.058	3.74	2.84
13	11.666	1.025	1067.51	1404.5	529.6	81.5	0.891	0.886	1.000	0.224	0.886	0.044	0.048	3.11	2.83
14	12.000	1.026	1063.59	1403.9	530.1	81.5	0.889	0.886	1.000	0.229	0.884	0.042	0.038	2.45	2.72
15	12.333	1.028	1065.20	1404.1	531.0	81.5	0.891	0.886	1.000	0.228	0.884	0.039	0.030	1.97	2.56
16	12.666	1.030	1066.40	1403.9	531.5	81.5	0.895	0.889	1.000	0.223	0.886	0.037	0.025	1.60	2.36
17	13.000	1.030	1064.48	1404.0	532.2	81.6	0.900	0.893	1.000	0.213	0.892	0.034	0.021	1.38	2.17
18	13.333	1.021	1059.47	1405.2	528.7	81.5	0.902	0.900	1.000	0.199	0.899	0.032	0.020	1.26	2.01
19	13.666	1.023	1060.43	1403.4	528.5	81.5	0.906	0.901	1.000	0.195	0.902	0.029	0.019	1.18	1.85
20	14.000	1.026	1063.44	1403.6	530.0	81.5	0.915	0.908	1.001	0.184	0.908	0.027	0.017	1.08	1.71
21	14.333	1.030	1066.62	1405.3	532.0	81.6	0.922	0.911	1.000	0.177	0.911	0.026	0.017	1.10	1.63
25	14.666	1.025	1062.75	1404.4	529.6	81.5	0.928	0.920	1.000	0.151	0.919	0.025	0.018	1.15	1.54
26	15.000	1.024	1061.26	1404.4	529.3	81.4	0.911	0.924	1.000	0.153	0.923	0.023	0.020	1.23	1.45
27	15.333	1.024	1063.54	1405.0	530.5	81.6	0.937	0.926	1.000	0.147	0.926	0.023	0.021	1.31	1.44
29	15.666	1.028	1065.32	1405.3	531.1	81.5	0.941	0.929	1.001	0.144	0.928	0.022	0.023	1.42	1.36
30	16.000	1.026	1063.54	1404.6	530.4	81.6	0.943	0.948	0.999	0.102	0.948	0.022	0.027	1.61	1.34
31	16.333	1.026	1063.45	1404.0	530.2	81.6	0.977	0.959	1.000	0.082	0.959	0.022	0.030	1.81	1.32
32	16.666	1.030	1064.57	1405.9	532.2	81.5	0.966	0.973	1.000	0.055	0.972	0.023	0.036	2.10	1.36
35	17.000	1.024	1061.56	1402.5	528.6	81.7	1.016	0.994	1.001	0.014	0.992	0.025	0.043	2.51	1.46
36	17.333	1.026	1063.73	1403.2	529.8	81.7	1.028	1.001	1.001	-0.001	0.999	0.028	0.050	2.66	1.62
37	17.666	1.030	1066.62	1405.7	532.2	81.7	1.036	1.008	1.000	-0.011	1.003	0.031	0.055	3.16	1.80
39	18.000	1.023	1060.72	1402.8	528.3	81.7	1.045	1.018	1.001	-0.035	1.015	0.036	0.060	3.41	2.01
40	18.333	1.027	1064.67	1405.4	531.1	81.7	1.041	1.011	0.999	-0.023	1.008	0.037	0.059	3.38	2.10
41	18.666	1.028	1064.30	1404.1	531.0	81.5	1.022	0.995	1.000	0.011	0.993	0.035	0.054	3.09	2.02
43	19.000	1.027	1064.04	1403.6	530.2	81.6	1.019	0.994	1.000	0.011	0.992	0.033	0.050	2.97	1.91

TEST	DAPT	REAL-6	ALFA	WING	Y	Z	RUN SURVEY	DATE	AEDC PROPULSION WIND TUNNEL						
IC-444	733	2.004	5.01	48	2.00	-1.00	4-235	2-3-77	TRANSONIC 48						
POINT	X	Y	VM	PT	Q	TT	KL	VVL/VM	PTL/PT	CPI	UL/VM	VL/VM	NL/VM	AAL	SWL
2	10.000	1.027	1040.14	1403.1	538.2	51.7	1.072	1.040	1.000	-0.081	1.034	0.037	0.109	6.03	2.05
3	10.333	1.024	1043.45	1404.4	530.2	51.7	1.010	0.968	0.998	0.023	0.981	0.043	0.102	5.95	2.50
4	10.666	1.026	1045.06	1405.0	531.2	51.7	0.935	0.925	1.000	0.150	0.919	0.049	0.087	5.42	3.08
5	11.000	1.027	1044.51	1405.1	530.9	51.6	0.899	0.894	1.000	0.212	0.890	0.055	0.070	4.48	3.51
6	11.333	1.028	1045.30	1404.3	531.0	51.6	0.882	0.878	1.000	0.243	0.875	0.056	0.053	3.45	3.64
7	11.666	1.028	1045.29	1403.7	530.8	51.7	0.876	0.873	1.001	0.254	0.871	0.052	0.036	2.35	3.43
8	12.000	1.031	1045.52	1405.3	528.6	51.7	0.866	0.870	1.000	0.260	0.868	0.048	0.026	1.74	3.19
9	12.333	1.024	1042.22	1405.3	529.9	51.7	0.874	0.874	1.000	0.252	0.872	0.043	0.017	1.14	2.81
10	12.666	1.026	1043.10	1404.1	529.9	51.6	0.882	0.881	1.001	0.239	0.880	0.038	0.013	0.83	2.46
11	13.000	1.027	1044.73	1403.4	530.4	51.6	0.992	0.887	1.000	0.225	0.887	0.033	0.010	0.62	2.13
12	13.333	1.030	1046.76	1404.8	531.0	51.7	0.902	0.895	1.000	0.211	0.894	0.030	0.008	0.52	1.89
13	13.666	1.029	1046.45	1405.0	531.9	51.6	0.908	0.900	1.001	0.201	0.900	0.027	0.008	0.49	1.73
14	14.000	1.032	1050.72	1405.1	529.2	51.6	0.912	0.908	1.001	0.185	0.908	0.025	0.008	0.53	1.59
15	14.333	1.034	1043.65	1404.4	530.3	51.6	0.919	0.912	1.001	0.178	0.911	0.024	0.009	0.59	1.49
16	14.666	1.038	1045.52	1402.4	530.4	51.7	0.926	0.916	1.001	0.170	0.915	0.022	0.011	0.67	1.40
20	15.000	1.024	1041.03	1405.9	530.0	51.7	0.934	0.925	1.001	0.150	0.925	0.022	0.013	0.83	1.34
21	15.333	1.024	1042.24	1404.0	529.4	51.7	0.935	0.927	1.001	0.148	0.926	0.021	0.016	0.98	1.28
22	15.666	1.027	1046.44	1404.0	530.5	51.7	0.941	0.929	1.000	0.142	0.929	0.021	0.018	1.13	1.29
23	16.000	1.029	1045.35	1404.2	531.5	51.6	0.943	0.946	1.000	0.108	0.946	0.020	0.023	1.38	1.23
24	16.333	1.024	1041.13	1403.2	528.8	51.6	0.982	0.966	1.001	0.069	0.966	0.021	0.029	1.71	1.25
25	16.666	1.025	1042.40	1404.1	529.6	51.6	1.005	0.984	1.001	0.033	0.983	0.023	0.036	2.12	1.32
26	17.000	1.027	1044.35	1404.6	530.7	51.7	1.024	0.998	1.000	0.005	0.997	0.025	0.044	2.55	1.45
27	17.333	1.029	1046.31	1404.7	531.6	51.7	1.034	1.004	1.001	-0.007	1.002	0.029	0.052	2.97	1.67
29	17.666	1.024	1041.49	1403.7	529.0	51.6	1.041	1.014	1.000	-0.027	1.011	0.035	0.059	3.32	1.96
30	18.000	1.025	1042.80	1404.3	529.0	51.6	1.047	1.018	1.000	-0.036	1.015	0.038	0.063	3.53	2.12
31	18.333	1.029	1045.65	1404.2	531.2	51.6	1.046	1.014	1.000	-0.027	1.011	0.038	0.063	3.59	2.18
33	18.666	1.026	1043.64	1403.7	530.0	51.7	1.031	1.004	1.000	-0.007	1.002	0.035	0.057	3.25	2.01
34	19.000	1.024	1041.90	1404.1	529.6	51.6	1.031	1.006	1.000	-0.012	1.004	0.033	0.053	3.08	1.88

TEST PART REX10-6 ALPHA WING Y 2 PUR SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 202 3.012 5.01 48 3.00 -5.00 4-205 2-3-77 TRANSONIC AT

POINT	X	M	VM	PT	O	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.353	1.029	1064.55	1403.8	531.2	80.1	1.105	1.041	0.998	-0.123	1.057	0.002	0.094	5.06	0.11
5	11.000	1.022	1056.73	1402.8	527.9	80.4	1.032	1.024	1.000	-0.049	1.021	0.009	0.084	4.71	0.51
6	11.666	1.022	1056.34	1396.5	525.5	80.2	0.935	0.928	1.001	0.144	0.926	0.014	0.068	4.19	0.80
7	12.333	1.025	1061.64	1395.7	526.7	80.3	0.930	0.921	1.000	0.157	0.919	0.015	0.063	3.93	0.94
12	13.000	1.024	1060.14	1405.5	529.7	80.2	0.928	0.921	1.001	0.160	0.919	0.016	0.058	3.60	1.02
13	13.666	1.026	1062.01	1393.7	526.2	80.1	0.926	0.917	1.001	0.167	0.915	0.014	0.055	3.41	0.90
16	14.333	1.024	1060.57	1404.6	529.6	80.3	0.933	0.924	1.000	0.151	0.923	0.017	0.051	3.17	1.06
19	15.000	1.025	1061.02	1399.5	527.9	80.2	0.933	0.925	1.002	0.154	0.923	0.015	0.050	3.00	0.93
20	15.666	1.029	1064.77	1393.4	527.4	80.1	0.937	0.924	1.002	0.154	0.923	0.015	0.048	2.99	0.88
23	16.333	1.027	1062.78	1403.1	530.0	80.4	0.944	0.949	1.000	0.102	0.947	0.015	0.048	2.93	0.93
24	17.000	1.029	1064.57	1405.2	531.6	80.4	0.974	0.956	1.000	0.089	0.954	0.014	0.050	2.98	0.84
25	17.666	1.029	1064.91	1396.0	528.4	80.2	0.994	0.972	1.000	0.057	0.970	0.012	0.054	3.20	0.78
28	18.333	1.027	1063.00	1401.4	529.7	80.5	1.026	0.999	0.999	0.001	0.997	0.014	0.061	3.51	0.79
30	19.000	1.027	1063.01	1407.2	531.6	80.5	1.054	1.021	1.000	-0.043	1.019	0.014	0.069	3.87	0.80

TEST	PIPT	REXID-6	ALFA	WING	Y	Z	PUN	SURVEY	DATE	AEDC	PROPULSION	WIND	TUNNEL	
7C-004	219	3.003	5.01	40	3.00	-4.00		4-221	3-1-77		TRANSONIC	47		
POINT	X	Y	VH	PT	Q	TT	PL	VVL/V4	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	SWL
2	10.004	1.024	1051.09	1405.8	520.8	51.3	1.103	1.062	0.999	-0.125	1.058	0.006	0.092	0.34
3	10.323	1.023	1040.66	1401.7	526.1	51.1	1.007	1.059	1.000	-0.117	1.055	0.006	0.094	0.35
4	10.665	1.024	1043.17	1403.5	524.5	51.1	1.009	1.058	0.999	-0.116	1.054	0.006	0.092	0.34
5	11.000	1.027	1043.75	1400.0	530.4	51.1	1.029	1.001	0.999	-0.093	0.998	0.012	0.080	0.70
6	11.333	1.026	1044.62	1402.4	530.4	51.1	0.942	0.930	1.000	0.139	0.927	0.017	0.069	1.03
7	11.666	1.029	1045.63	1402.6	530.4	51.1	0.935	0.922	1.000	0.155	0.920	0.019	0.065	1.17
10	12.000	1.025	1043.55	1403.8	530.2	51.3	0.929	0.919	1.000	0.161	0.917	0.021	0.059	1.29
11	12.333	1.025	1042.34	1403.4	529.4	51.4	0.923	0.916	1.000	0.167	0.914	0.022	0.059	1.36
12	12.666	1.024	1043.13	1405.8	529.7	51.4	0.923	0.915	1.000	0.170	0.913	0.022	0.056	1.39
13	13.000	1.026	1043.18	1402.9	529.7	51.3	0.922	0.914	1.001	0.173	0.913	0.023	0.053	1.44
14	13.333	1.026	1045.85	1400.0	531.3	51.3	0.922	0.913	0.999	0.173	0.911	0.023	0.050	1.45
16	13.666	1.021	1048.40	1403.1	527.6	51.3	0.922	0.910	1.001	0.165	0.916	0.032	0.049	1.40
17	14.000	1.025	1042.12	1402.6	529.0	51.3	0.925	0.917	1.000	0.166	0.916	0.032	0.047	1.84
18	14.333	1.027	1044.18	1403.1	530.3	51.3	0.920	0.910	1.000	0.164	0.917	0.032	0.045	1.99
19	14.666	1.030	1046.43	1403.0	528.2	51.3	0.931	0.919	1.000	0.163	0.917	0.032	0.043	1.30
20	15.000	1.023	1040.48	1402.9	528.4	51.2	0.933	0.925	1.000	0.149	0.924	0.032	0.043	1.34
21	15.333	1.024	1041.85	1401.7	527.0	51.3	0.936	0.927	1.001	0.148	0.924	0.031	0.042	1.28
22	15.666	1.024	1045.20	1404.2	531.2	51.2	0.939	0.926	1.000	0.148	0.925	0.031	0.042	1.20
27	16.000	1.024	1041.64	1403.2	529.1	51.4	0.941	0.932	1.000	0.137	0.931	0.019	0.042	1.20
28	16.333	1.028	1045.19	1403.3	530.8	51.2	0.958	0.943	1.000	0.116	0.941	0.019	0.042	1.10
30	16.666	1.024	1041.33	1403.0	528.8	51.4	0.970	0.956	1.000	0.089	0.955	0.019	0.042	1.10
31	17.000	1.023	1040.30	1404.1	529.7	51.4	0.980	0.965	1.000	0.070	0.964	0.018	0.046	1.07
32	17.333	1.025	1042.53	1403.2	529.3	51.3	0.992	0.971	1.001	0.056	0.971	0.018	0.049	1.07
36	17.666	1.024	1042.00	1403.8	529.4	51.4	1.012	0.990	1.000	0.021	0.988	0.018	0.049	1.06
37	18.000	1.026	1042.9	1404.7	530.0	51.4	1.027	1.001	1.000	-0.002	0.999	0.018	0.053	1.03
41	18.333	1.025	1042.95	1401.9	529.0	51.4	1.043	1.014	1.001	-0.027	1.012	0.016	0.063	1.03
42	18.666	1.027	1044.15	1404.4	530.6	51.5	1.060	1.027	1.000	-0.053	1.024	0.019	0.067	1.09
43	19.000	1.030	1046.18	1405.8	532.3	51.4	1.072	1.034	1.000	-0.068	1.031	0.021	0.070	1.17

TEST PART PEX10-6 ALPHA WING Y Z PUN SURVEY DATE AEDC PROPUSSION MIND TUNNEL
 TC-464 720 3.003 5.01 48 3.00 -3.00 4-222 2-3-77 TRANSONIC 47

POINT	X	M	VW	PT	O	TT	ML	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
1	10.000	1.024	1053.13	1405.9	530.4	91.6	1.112	1.068	0.999	-0.137	1.064	0.010	0.095	5.11	0.52
2	10.333	1.024	1053.49	1403.1	529.7	91.6	1.106	1.063	1.000	-0.126	1.059	0.009	0.095	5.14	0.49
3	10.666	1.029	1065.83	1403.2	530.9	91.5	1.093	1.043	0.999	-0.086	1.039	0.013	0.088	4.85	0.72
4	11.000	1.028	1064.67	1405.0	531.1	91.4	1.013	0.988	0.999	0.022	0.985	0.020	0.076	4.40	1.19
5	11.333	1.024	1061.20	1403.9	529.1	91.4	0.999	0.921	1.000	0.156	0.919	0.026	0.058	4.24	1.62
6	11.666	1.024	1062.85	1404.2	530.0	91.3	0.923	0.915	1.000	0.169	0.913	0.028	0.063	3.97	1.77
7	12.000	1.027	1064.15	1404.0	530.5	91.4	0.920	0.912	1.000	0.177	0.909	0.029	0.059	3.70	1.95
8	12.333	1.029	1065.78	1404.0	532.0	91.4	0.918	0.904	1.000	0.183	0.906	0.030	0.054	3.41	1.91
9	12.666	1.028	1064.48	1402.7	530.2	91.3	0.915	0.907	1.001	0.187	0.905	0.031	0.051	3.20	1.97
10	13.000	1.029	1064.27	1402.5	530.9	91.4	0.918	0.906	1.000	0.188	0.905	0.031	0.047	2.94	1.90
11	13.333	1.026	1063.10	1404.3	530.1	91.4	0.918	0.909	1.000	0.183	0.907	0.031	0.044	2.76	1.97
12	13.666	1.024	1063.56	1404.4	530.4	91.4	0.918	0.910	1.000	0.180	0.909	0.030	0.041	2.57	1.91
13	14.000	1.028	1065.21	1404.7	531.2	91.4	0.921	0.911	1.000	0.177	0.910	0.030	0.038	2.41	1.98
14	14.333	1.024	1061.14	1403.6	529.0	91.3	0.923	0.917	1.000	0.166	0.916	0.029	0.037	2.30	1.91
15	14.666	1.024	1062.04	1404.0	529.5	91.4	0.926	0.918	1.000	0.162	0.917	0.028	0.036	2.24	1.73
16	15.000	1.024	1063.38	1402.8	529.7	91.4	0.931	0.922	1.001	0.157	0.921	0.027	0.034	2.14	1.68
17	15.333	1.024	1065.40	1404.3	531.2	91.4	0.938	0.923	1.000	0.153	0.922	0.026	0.034	2.13	1.60
18	15.666	1.026	1062.97	1405.2	530.4	91.4	0.91	0.928	1.000	0.144	0.927	0.025	0.034	2.10	1.55
19	16.000	1.025	1062.03	1403.2	529.2	91.3	0.941	0.931	1.001	0.138	0.930	0.024	0.035	2.17	1.47
20	16.333	1.024	1064.88	1403.3	530.6	91.4	0.942	0.946	1.000	0.107	0.945	0.023	0.037	2.22	1.39
21	16.666	1.024	1061.91	1404.5	529.4	91.4	0.976	0.960	1.001	0.080	0.959	0.022	0.039	2.35	1.33
22	17.000	1.025	1062.50	1403.9	529.7	91.4	0.991	0.972	1.000	0.057	0.971	0.022	0.043	2.53	1.28
23	17.333	1.029	1065.85	1404.0	531.3	91.4	1.014	0.988	1.000	0.024	0.986	0.022	0.049	2.83	1.27
24	17.666	1.027	1063.96	1404.8	530.7	91.4	1.033	1.005	1.000	-0.009	1.003	0.022	0.055	3.12	1.23
25	18.000	1.027	1063.78	1403.1	530.0	91.3	1.050	1.019	1.001	-0.037	1.017	0.022	0.060	3.40	1.25
26	18.333	1.029	1066.29	1403.7	531.3	91.5	1.067	1.030	1.000	-0.060	1.028	0.024	0.066	3.65	1.34
27	18.666	1.026	1063.65	1404.4	530.4	91.5	1.073	1.037	1.000	-0.075	1.035	0.027	0.068	3.77	1.50
28	19.000	1.027	1064.12	1405.1	530.9	91.4	1.043	1.013	0.999	-0.027	1.010	0.030	0.062	3.49	1.70

TEST PART REFIC-6 ALPHA LING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
IC-4A4 221 3.004 5.01 48 3.00 -2.00 4-223 2-3-77 TRANSONIC 47

POINT	X	Y	Z	PT	Q	TT	ML	VH/V	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SUL
1	10.000	1.026	1043.6A	1405.6	530.6	41.4	1.121	1.075	0.999	-0.151	1.070	0.011	0.100	5.34	0.61
2	10.333	1.022	1050.95	1404.0	526.5	41.4	1.057	1.028	0.999	-0.057	1.024	0.018	0.092	5.16	1.00
3	10.666	1.024	1055.01	1404.0	531.5	41.4	0.987	0.966	0.999	0.065	0.962	0.035	0.083	4.94	1.52
4	11.000	1.021	1056.78	1403.5	527.8	41.4	0.929	0.924	1.000	0.152	0.920	0.032	0.076	4.75	1.98
5	11.333	1.024	1043.33	1405.9	530.6	41.4	0.919	0.912	0.999	0.175	0.908	0.035	0.071	4.46	2.23
6	11.666	1.027	1044.12	1405.1	530.9	41.4	0.913	0.906	1.000	0.189	0.903	0.039	0.064	4.05	2.45
7	12.000	1.029	1055.60	1403.9	531.1	41.4	0.907	0.900	1.000	0.201	0.897	0.041	0.056	3.60	2.63
8	12.333	1.028	1065.02	1405.1	531.3	41.4	0.903	0.897	0.999	0.206	0.894	0.043	0.049	3.11	2.74
9	12.666	1.028	1065.23	1405.5	531.6	41.4	0.902	0.895	1.000	0.209	0.893	0.043	0.043	2.73	2.75
10	13.000	1.028	1065.74	1404.4	531.4	41.4	0.903	0.896	1.000	0.209	0.894	0.042	0.037	2.37	2.68
11	13.333	1.024	1051.75	1404.0	529.4	41.4	0.904	0.900	1.000	0.199	0.899	0.040	0.032	2.04	2.58
12	13.666	1.022	1060.20	1404.3	528.7	41.4	0.906	0.903	1.000	0.194	0.901	0.038	0.029	1.84	2.43
13	14.000	1.026	1053.34	1404.8	530.4	41.4	0.913	0.907	1.000	0.187	0.905	0.036	0.026	1.66	2.30
14	14.333	1.027	1054.45	1403.8	530.5	41.4	0.917	0.909	1.000	0.192	0.908	0.034	0.025	1.57	2.17
15	14.666	1.027	1054.02	1404.9	530.8	41.4	0.925	0.916	1.000	0.168	0.915	0.032	0.024	1.49	2.01
16	15.000	1.028	1065.30	1404.3	531.1	41.4	0.929	0.918	1.000	0.163	0.917	0.030	0.024	1.49	1.89
17	15.333	1.023	1060.47	1402.7	528.2	41.5	0.934	0.926	1.001	0.149	0.926	0.029	0.025	1.52	1.79
18	15.666	1.024	1052.14	1403.6	529.3	41.6	0.938	0.929	1.001	0.143	0.928	0.027	0.026	1.59	1.64
19	16.000	1.026	1053.14	1403.8	529.9	41.4	0.942	0.931	1.001	0.139	0.930	0.026	0.027	1.58	1.59
20	16.333	1.028	1065.51	1404.9	531.4	41.5	0.968	0.951	1.001	0.099	0.950	0.025	0.030	1.48	1.48
21	16.666	1.025	1062.43	1403.2	529.2	41.7	0.987	0.969	1.001	0.062	0.968	0.024	0.036	2.10	1.43
22	17.000	1.025	1063.03	1403.0	529.5	41.6	1.006	0.985	1.001	0.032	0.993	0.024	0.041	2.38	1.48
23	17.333	1.029	1065.77	1405.2	531.7	41.4	1.033	1.003	1.000	-0.007	1.002	0.025	0.051	2.50	1.40
24	17.666	1.024	1061.73	1403.2	529.0	41.4	1.060	1.028	1.001	-0.056	1.026	0.025	0.060	3.36	1.41
25	18.000	1.026	1063.39	1403.7	529.9	41.6	1.081	1.044	1.000	-0.087	1.042	0.027	0.067	3.68	1.45
26	18.333	1.029	1066.10	1404.3	531.5	41.5	1.076	1.037	0.999	-0.075	1.035	0.032	0.067	3.70	1.78
27	18.666	1.025	1062.78	1403.5	529.5	41.7	1.033	1.006	1.000	-0.013	1.004	0.035	0.058	3.30	1.98
28	19.000	1.026	1043.53	1406.1	530.8	41.7	1.005	0.983	0.999	0.032	0.991	0.035	0.050	2.93	2.01

TEST POINT PANT PEX10-6 ALPHA KING Y 2 BUR SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 TC-484 234 3.003 5.01 48 3.00 -1.50 4-236 2-3-77 TRANSONIC 47

POINT	X	Y	V _W	PT	Q	TT	WL	VM/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
1	10.000	1.026	1045.91	1405.1	531.4	81.6	1.121	1.073	0.999	-0.147	1.068	0.011	0.104	5.57	0.61
2	10.333	1.025	1042.84	1401.1	528.7	81.5	1.069	1.035	0.999	-0.071	1.030	0.017	0.098	5.42	0.95
3	10.666	1.024	1045.92	1405.5	531.8	81.6	0.995	0.973	0.998	0.052	0.968	0.028	0.087	5.13	1.68
4	11.000	1.023	1041.04	1405.8	529.6	81.6	0.920	0.915	0.999	0.170	0.910	0.036	0.082	5.13	2.29
5	11.333	1.024	1041.26	1404.8	529.4	81.5	0.913	0.908	1.000	0.183	0.904	0.043	0.074	4.69	2.71
6	11.666	1.025	1062.85	1404.2	529.6	81.5	0.900	0.896	1.000	0.208	0.892	0.048	0.066	4.21	3.07
7	12.000	1.024	1043.80	1404.3	530.4	81.5	0.895	0.890	1.000	0.218	0.887	0.051	0.056	3.63	3.29
8	12.333	1.026	1045.04	1403.8	530.7	81.6	0.891	0.886	1.000	0.228	0.884	0.052	0.046	2.96	3.39
9	12.666	1.027	1044.85	1404.8	531.0	81.5	0.890	0.886	1.000	0.226	0.884	0.051	0.037	2.38	3.33
10	13.000	1.028	1045.10	1404.1	530.9	81.6	0.892	0.887	1.000	0.226	0.885	0.049	0.029	1.85	3.17
11	13.333	1.028	1045.06	1404.6	531.1	81.5	0.897	0.891	1.000	0.217	0.890	0.046	0.023	1.49	2.93
12	13.666	1.022	1060.20	1404.3	528.6	81.6	0.900	0.898	1.000	0.204	0.897	0.042	0.020	1.27	2.71
13	14.000	1.025	1042.34	1403.6	529.4	81.5	0.907	0.902	1.000	0.195	0.901	0.039	0.018	1.13	2.49
14	14.333	1.024	1045.41	1404.5	531.3	81.6	0.916	0.908	1.000	0.185	0.907	0.036	0.017	1.06	2.30
15	14.666	1.027	1044.76	1404.8	531.0	81.6	0.924	0.915	1.000	0.171	0.914	0.034	0.016	0.99	2.10
16	15.000	1.021	1059.28	1403.3	527.8	81.6	0.927	0.922	1.001	0.157	0.921	0.031	0.017	1.06	1.94
17	15.333	1.025	1042.90	1404.3	529.9	81.6	0.935	0.925	1.000	0.150	0.925	0.029	0.019	1.15	1.82
18	15.666	1.024	1043.42	1405.3	530.5	81.6	0.938	0.927	1.000	0.145	0.927	0.028	0.020	1.26	1.71
19	16.000	1.028	1045.00	1404.1	530.8	81.6	0.942	0.930	1.000	0.141	0.929	0.026	0.023	1.42	1.59
20	16.333	1.030	1044.78	1403.1	531.3	81.6	0.971	0.952	1.000	0.096	0.951	0.024	0.027	1.61	1.46
21	16.666	1.026	1043.69	1403.7	530.1	81.5	0.995	0.975	1.000	0.051	0.974	0.023	0.033	1.95	1.38
22	17.000	1.024	1043.44	1403.6	530.1	81.6	1.015	0.991	1.000	0.019	0.990	0.024	0.041	2.36	1.38
23	17.333	1.029	1046.10	1404.3	531.4	81.6	1.033	1.004	1.001	-0.006	1.002	0.025	0.050	2.87	1.45
24	17.666	1.021	1059.40	1404.5	526.3	81.7	1.059	1.030	1.000	-0.060	1.028	0.028	0.060	3.36	1.54
25	18.000	1.024	1041.64	1403.8	529.1	81.6	1.077	1.042	0.999	-0.046	1.040	0.031	0.066	3.65	1.68
26	18.333	1.027	1044.50	1404.3	530.7	81.6	1.058	1.025	0.999	-0.051	1.022	0.035	0.063	3.55	1.98
27	18.666	1.029	1066.54	1404.8	531.8	81.7	1.014	0.988	0.999	0.023	0.986	0.036	0.054	3.13	2.11
28	19.000	1.021	1059.24	1403.9	528.0	81.7	1.007	0.980	0.999	0.021	0.987	0.035	0.048	2.80	2.06

TEST PART		REF10-A		ALFA		WING		Y		Z		RUN SURVEY		DATE		AEDC PROPELLSION WIND TUNNEL		TRANSONIC 47	
IC-484		235		3.004		5.01		48		-1.00		4-237		20-3-77					
POINT	X	M	VM	PT	O	TT	ML	VMI/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL				
1	10.000	1.025	1047.95	1406.7	530.8	81.7	1.110	1.067	0.999	-0.135	1.061	0.011	0.106	5.71	0.60				
2	10.333	1.020	1045.83	1403.0	530.8	81.7	1.050	1.017	0.999	-0.035	1.012	0.020	0.100	5.67	1.11				
3	10.666	1.024	1041.84	1404.0	529.3	81.7	0.939	0.830	0.999	0.139	0.925	0.033	0.095	5.85	2.02				
4	11.000	1.026	1043.13	1405.9	530.6	81.6	0.921	0.914	0.999	0.171	0.908	0.042	0.089	5.62	3.66				
5	11.333	1.026	1043.51	1404.5	530.3	81.5	0.904	0.899	1.000	0.202	0.893	0.052	0.081	5.20	3.33				
6	11.666	1.027	1044.54	1403.1	530.3	81.5	0.889	0.895	1.000	0.230	0.880	0.062	0.069	4.46	4.04				
7	12.000	1.030	1046.20	1404.3	531.7	81.4	0.872	0.875	1.000	0.250	0.870	0.068	0.053	3.48	4.44				
8	12.333	1.028	1045.31	1404.9	531.4	81.4	0.872	0.870	1.000	0.260	0.866	0.068	0.037	2.41	4.46				
9	12.666	1.028	1045.08	1403.5	530.7	81.4	0.872	0.870	1.001	0.260	0.867	0.063	0.023	1.54	4.16				
10	13.000	1.030	1045.59	1403.3	531.4	81.4	0.879	0.875	1.000	0.250	0.873	0.058	0.014	0.90	3.77				
11	13.333	1.026	1043.20	1398.9	528.1	81.4	0.889	0.884	1.000	0.227	0.885	0.051	0.008	0.49	3.29				
12	13.666	1.026	1043.43	1403.0	529.8	81.4	0.896	0.891	0.999	0.216	0.890	0.046	0.006	0.37	2.93				
13	14.000	1.027	1044.17	1405.4	531.0	81.5	0.906	0.900	1.000	0.200	0.899	0.041	0.005	0.29	2.63				
14	14.333	1.027	1044.38	1402.7	530.1	81.3	0.914	0.906	1.000	0.188	0.905	0.037	0.005	0.31	2.35				
15	14.666	1.024	1041.42	1402.8	528.7	81.4	0.922	0.915	1.000	0.169	0.915	0.034	0.006	0.38	2.12				
16	15.000	1.026	1041.53	1403.2	529.0	81.3	0.927	0.919	1.000	0.161	0.919	0.031	0.008	0.50	1.91				
17	15.333	1.026	1043.16	1403.7	529.9	81.4	0.932	0.923	1.000	0.155	0.922	0.029	0.011	0.65	1.79				
18	15.666	1.029	1045.70	1404.1	531.3	81.4	0.938	0.925	1.000	0.149	0.925	0.027	0.013	0.82	1.65				
19	16.000	1.030	1046.30	1403.9	531.5	81.4	0.943	0.928	1.000	0.141	0.929	0.025	0.017	1.03	1.53				
20	16.333	1.025	1042.34	1404.0	528.6	81.4	0.975	0.959	1.000	0.081	0.959	0.023	0.023	1.37	1.39				
21	16.666	1.025	1045.00	1404.1	530.6	81.4	1.002	0.979	1.000	0.043	0.978	0.023	0.031	1.79	1.33				
22	17.000	1.035	1046.34	1404.4	531.7	81.4	1.028	0.997	1.000	0.005	0.996	0.023	0.041	2.35	1.34				
23	17.333	1.023	1040.74	1403.8	528.8	81.4	1.033	1.008	1.000	-0.016	1.007	0.026	0.050	2.83	1.46				
24	17.666	1.026	1043.56	1403.5	530.1	81.3	1.042	1.013	0.999	-0.026	1.011	0.029	0.057	3.22	1.67				
25	18.000	1.025	1044.96	1403.3	530.7	81.3	1.063	1.028	1.000	-0.056	1.025	0.034	0.063	3.54	1.88				
26	18.333	1.025	1046.45	1404.0	529.8	81.4	1.039	1.015	0.999	-0.031	1.012	0.038	0.061	3.45	2.14				
27	18.666	1.029	1045.81	1404.5	531.5	81.4	1.016	0.989	0.999	0.020	0.987	0.037	0.053	3.05	2.14				
28	19.000	1.027	1043.76	1404.6	530.5	81.4	1.015	0.991	1.000	0.018	0.999	0.036	0.047	2.74	2.07				

TEST PART REX10-6 ALPHA WING Y Z PUN SURVEY
 IC-484 203 2.995 3.01 48 4.00 -5.00 4-206

DATE
2-3-77

AEEC PROPULSION WIND TUNNEL
TRANSONIC 47

POINT	K	P	VW	PT	Q	TT	ML	VNL/VN	PTL/PT	CPL	UL/VM	VL/VN	WL/VN	AAL	SWL
4	10.500	1.021	1057.50	1399.5	526.2	80.3	1.094	1.039	1.005	-0.111	1.034	0.003	0.092	5.01	0.16
5	11.000	1.029	1064.49	1395.0	527.7	80.4	1.090	1.048	0.999	-0.099	1.044	0.001	0.092	5.05	0.08
6	11.500	1.025	1061.59	1403.7	529.6	80.4	0.979	0.962	1.000	0.076	0.959	0.014	0.075	4.45	0.84
7	12.000	1.025	1061.60	1393.7	525.9	80.4	0.934	0.924	1.001	0.152	0.922	0.016	0.068	4.24	0.98
8	12.500	1.024	1061.03	1408.2	531.0	80.5	0.934	0.925	0.999	0.148	0.923	0.019	0.065	4.04	1.19
9	13.000	1.021	1057.69	1403.5	527.7	80.4	0.927	0.922	1.001	0.158	0.920	0.018	0.063	3.94	1.14
10	13.500	1.023	1059.69	1391.6	524.2	80.4	0.925	0.919	1.002	0.165	0.916	0.018	0.060	3.75	1.12
11	14.000	1.021	1058.09	1412.7	531.2	80.7	0.931	0.926	1.002	0.151	0.924	0.022	0.057	3.54	1.34
12	14.500	1.029	1064.63	1402.8	530.7	80.5	0.936	0.924	0.998	0.150	0.922	0.022	0.054	3.34	1.39
13	15.000	1.028	1064.15	1404.2	531.0	80.5	0.935	0.924	1.000	0.152	0.922	0.021	0.053	3.27	1.28
14	15.500	1.030	1065.51	1398.9	529.6	80.5	0.937	0.924	1.001	0.154	0.922	0.019	0.051	3.19	1.19
15	16.000	1.029	1065.24	1398.0	529.1	80.6	0.941	0.928	0.999	0.143	0.926	0.019	0.051	3.12	1.19
16	16.500	1.030	1065.78	1403.3	531.3	80.7	0.962	0.945	0.999	0.110	0.943	0.019	0.051	3.09	1.18
17	17.000	1.026	1062.59	1403.9	530.0	80.7	0.971	0.955	1.001	0.090	0.954	0.019	0.052	3.13	1.11
18	17.500	1.029	1064.76	1401.9	530.4	80.5	0.988	0.967	1.001	0.067	0.965	0.017	0.055	3.26	1.01
19	18.000	1.027	1063.14	1398.0	528.1	80.6	1.007	0.984	1.000	0.032	0.982	0.016	0.060	3.47	0.94
20	18.500	1.027	1063.07	1400.2	528.9	80.7	1.033	1.005	1.000	-0.010	1.003	0.017	0.065	3.73	0.98
21	19.000	1.028	1064.13	1403.4	530.5	80.9	1.053	1.020	0.999	-0.031	1.017	0.017	0.071	4.00	0.98

TEST PAPT MEX10-6 ALPHA WING Y 2 RUN SUPVEY
 TC-484 222 2.998 5.01 4.00 -4.00 4-224

DATE 2-3-77
 AEDC PROPUSSION WIND TUNNEL
 TRANSONIC 4T

POINT	X	M	V ₀	PT	Q	TT	ML	VML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	ABL	SWL
2	10.500	1.028	1044.78	1402.9	530.3	21.6	1.107	1.063	1.001	-0.124	1.059	0.008	0.093	5.02	0.42
3	11.500	1.030	1044.38	1402.9	531.1	21.5	1.088	1.044	0.999	-0.093	1.042	0.006	0.090	4.92	0.35
4	11.500	1.025	1042.14	1400.3	530.4	21.5	0.940	0.930	1.000	0.139	0.927	0.020	0.072	4.43	1.22
5	12.000	1.027	1044.40	1403.9	530.5	21.5	0.932	0.922	1.000	0.157	0.919	0.023	0.067	4.19	1.41
6	12.500	1.030	1050.80	1404.1	531.7	21.5	0.929	0.917	1.000	0.167	0.914	0.025	0.063	3.91	1.57
8	13.000	1.024	1052.03	1405.9	530.2	21.5	0.925	0.918	1.000	0.163	0.916	0.027	0.059	3.67	1.67
9	13.500	1.022	1050.75	1404.0	528.4	21.5	0.923	0.918	1.001	0.165	0.916	0.027	0.056	3.52	1.68
10	14.000	1.027	1054.55	1404.0	530.6	21.5	0.926	0.915	1.000	0.148	0.914	0.028	0.052	3.27	1.73
13	14.500	1.029	1045.67	1405.2	531.6	21.5	0.930	0.919	1.000	0.143	0.917	0.026	0.049	3.04	1.74
15	15.000	1.028	1044.75	1404.2	530.8	21.5	0.933	0.927	1.000	0.155	0.921	0.027	0.047	2.91	1.69
16	15.500	1.027	1054.00	1403.9	530.3	21.5	0.937	0.926	1.001	0.148	0.925	0.026	0.045	2.91	1.62
18	16.000	1.025	1052.73	1405.5	530.3	21.5	0.941	0.931	1.000	0.139	0.929	0.025	0.045	2.75	1.55
19	16.500	1.024	1051.92	1402.8	528.9	21.6	0.959	0.947	1.001	0.109	0.945	0.024	0.045	2.76	1.46
20	17.000	1.030	1056.45	1404.2	531.6	21.4	0.979	0.959	1.000	0.083	0.958	0.023	0.048	2.95	1.38
22	17.500	1.027	1064.65	1404.4	530.6	21.5	1.004	0.981	1.001	0.038	0.980	0.022	0.053	3.11	1.31
23	18.000	1.029	1046.25	1404.2	531.3	21.5	1.029	0.999	1.000	0.002	0.997	0.022	0.059	3.38	1.24
25	18.500	1.024	1061.83	1403.4	529.1	21.5	1.056	1.026	1.000	-0.031	1.023	0.023	0.058	3.80	1.28
26	19.000	1.025	1062.75	1404.2	529.4	21.6	1.083	1.046	1.000	-0.092	1.043	0.024	0.075	4.13	1.33

TEST PART PRX10-6 ALPHA 5.01 2 2.000 4-225

DATE 2-3-77

AWW SUPPLY 4-225

TIME Y 4.90 -3.00

TEST PART PRX10-6 ALPHA 5.01 2 2.000 4-225

DATE 2-3-77

AWW SUPPLY 4-225

POINT	X	M	Vu	PT	Q	TT	ML	VML/Vu	PTL/PT	CPL	UL/Vu	VL/Vu	HL/Vu	AAL	SHL
4	10.500	1.023	1048.35	1404.2	428.4	41.4	1.109	1.068	1.000	-0.137	1.064	0.006	0.096	5.17	0.33
6	11.000	1.028	1045.34	1404.6	431.7	41.5	1.020	0.993	0.989	0.012	0.990	0.016	0.082	4.73	0.95
7	11.500	1.029	1045.99	1403.7	431.2	41.5	0.936	0.924	1.000	0.153	0.920	0.025	0.072	4.46	1.98
8	12.000	1.074	1043.54	1403.6	530.0	41.4	0.928	0.919	1.000	0.163	0.916	0.030	0.067	4.20	1.89
9	12.500	1.073	1041.04	1403.5	529.8	41.5	0.914	0.913	1.000	0.174	0.910	0.033	0.064	4.00	2.08
10	13.000	1.025	1042.44	1404.8	530.1	41.5	0.917	0.910	1.000	0.190	0.908	0.035	0.057	3.59	2.24
11	13.500	1.028	1044.75	1404.6	531.0	41.5	0.918	0.910	1.000	0.181	0.908	0.037	0.051	3.20	2.32
13	14.000	1.026	1043.22	1405.1	530.5	41.4	0.921	0.913	1.000	0.173	0.911	0.037	0.046	2.88	2.31
14	14.500	1.023	1040.54	1404.2	528.8	41.5	0.923	0.917	1.000	0.167	0.915	0.035	0.043	2.66	2.20
15	15.000	1.026	1043.57	1405.4	530.7	41.5	0.928	0.919	1.000	0.161	0.918	0.034	0.040	2.50	2.11
16	15.500	1.078	1046.20	1404.1	531.4	41.5	0.934	0.922	1.001	0.157	0.921	0.032	0.038	2.37	2.01
17	16.000	1.029	1043.65	1404.2	531.1	41.7	0.940	0.928	1.000	0.145	0.926	0.030	0.038	2.33	1.86
22	16.500	1.024	1041.62	1405.5	529.9	41.7	0.966	0.952	1.001	0.047	0.951	0.028	0.040	2.43	1.71
23	17.000	1.026	1043.15	1403.5	529.7	41.7	0.987	0.969	1.001	0.064	0.968	0.026	0.044	2.61	1.57
27	17.500	1.022	1049.74	1404.0	528.3	41.6	1.025	1.002	1.000	-0.005	1.001	0.026	0.053	3.04	1.49
28	18.000	1.026	1043.64	1404.6	530.4	41.6	1.057	1.025	1.000	-0.050	1.023	0.026	0.062	3.48	1.44
30	18.500	1.024	1044.54	1404.0	531.5	41.7	1.033	1.050	1.000	-0.100	1.047	0.028	0.073	4.01	1.53
32	19.000	1.028	1045.09	1403.7	530.7	41.7	1.050	1.041	0.999	-0.044	1.038	0.035	0.072	3.97	1.93

TEST PLANT PFX10-6 ALFA NING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 224 2.896 5.01 46 4.00 -2.00 4-226 2-3-77 TRANSONIC 4T

POINT	X	W	VW	PT	D	TP	ML	VVL/VH	PTL/PT	CPI	UL/VH	VL/VH	WL/VH	AAL	SWL
5	10.500	1.024	1041.14	1403.8	529.0	91.4	1.076	1.042	0.999	-0.085	1.038	0.009	0.095	5.23	0.50
6	11.000	1.025	1062.55	1404.2	529.5	91.5	0.959	0.946	1.000	0.108	0.942	0.025	0.084	5.09	1.50
7	11.500	1.026	1063.75	1404.2	530.3	91.5	0.928	0.919	1.000	0.181	0.915	0.032	0.078	4.85	2.03
8	12.000	1.026	1064.21	1404.7	531.7	91.4	0.919	0.909	1.000	0.181	0.906	0.040	0.071	4.47	2.51
9	12.500	1.027	1064.44	1404.8	530.8	91.4	0.912	0.905	1.000	0.190	0.901	0.045	0.063	3.98	2.88
10	13.000	1.025	1062.31	1404.9	529.8	91.7	0.903	0.899	1.000	0.201	0.896	0.049	0.054	3.42	3.11
11	13.500	1.027	1064.37	1405.4	531.0	91.7	0.905	0.899	1.000	0.202	0.897	0.049	0.044	2.78	3.13
12	14.000	1.026	1065.24	1403.8	531.3	91.6	0.910	0.902	1.000	0.197	0.900	0.047	0.036	2.27	3.00
13	14.500	1.028	1055.17	1402.7	530.4	91.5	0.918	0.909	1.001	0.183	0.908	0.044	0.031	1.93	2.77
14	15.000	1.028	1075.01	1404.9	531.7	91.5	0.925	0.915	1.000	0.171	0.913	0.040	0.028	1.76	2.81
15	15.500	1.028	1065.35	1404.0	531.0	91.6	0.933	0.922	1.000	0.156	0.921	0.036	0.027	1.68	2.36
16	16.000	1.026	1063.75	1404.2	530.3	91.5	0.939	0.928	1.000	0.144	0.927	0.032	0.028	1.75	2.01
19	16.500	1.024	1061.95	1404.2	529.5	91.4	0.914	0.959	1.001	0.084	0.958	0.029	0.033	2.00	1.75
20	17.000	1.027	1064.30	1403.9	530.5	91.6	1.009	0.946	1.000	0.029	0.964	0.027	0.041	2.41	1.57
21	17.500	1.027	1063.51	1404.7	530.6	91.5	1.059	1.025	1.000	-0.051	1.024	0.025	0.056	3.12	1.41
22	18.000	1.027	1063.96	1405.6	531.0	91.5	1.101	1.059	0.999	-0.118	1.056	0.028	0.071	3.85	1.52
23	18.500	1.023	1067.89	1403.9	524.9	91.5	1.092	1.054	0.999	-0.110	1.051	0.038	0.071	3.86	2.06
24	19.000	1.026	1063.65	1404.8	530.3	91.9	1.003	0.941	0.999	0.036	0.979	0.041	0.053	3.10	2.62

TEST TC-464 PART 236 RFX10-6 ALPHA 5.01 WING 43 2 4.00 -1.50 4-230 PUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 41

POINT	X	M	VM	PT	O	TT	UL	VVL/VM	PTL/PT	CPL	UL/VM	VL/VM	SL/VM	AIL	SNL
7	10.500	1.023	1060.79	1402.5	526.3	81.4	1.084	1.049	0.999	-0.098	1.044	0.009	0.097	5.29	0.32
8	11.000	1.024	1063.11	1404.5	530.2	81.4	0.940	0.929	0.999	0.140	0.925	0.027	0.087	5.39	1.59
9	11.500	1.024	1063.64	1404.4	530.4	81.4	0.976	0.917	1.001	0.167	0.913	0.037	0.083	5.19	2.29
10	12.000	1.024	1063.04	1403.2	524.7	81.3	0.912	0.905	1.000	0.189	0.901	0.046	0.076	4.94	2.93
11	12.500	1.024	1065.44	1403.2	530.9	81.3	0.902	0.895	0.999	0.209	0.891	0.055	0.065	4.19	3.52
12	13.000	1.021	1059.14	1403.4	527.6	81.3	0.881	0.891	1.000	0.218	0.887	0.060	0.052	3.35	3.84
13	13.500	1.024	1063.54	1403.6	530.0	81.4	0.893	0.889	1.000	0.222	0.886	0.059	0.038	2.45	3.78
14	14.000	1.031	1064.61	1404.5	531.9	81.4	0.902	0.894	0.999	0.210	0.892	0.054	0.028	1.77	3.47
15	14.500	1.021	1056.94	1402.3	527.4	81.4	0.911	0.908	1.001	0.184	0.907	0.048	0.022	1.39	3.04
16	15.000	1.027	1064.22	1405.3	531.0	81.5	0.924	0.915	1.001	0.171	0.913	0.043	0.019	1.22	2.67
17	15.500	1.027	1064.44	1405.6	531.2	81.4	0.930	0.920	1.000	0.160	0.919	0.038	0.020	1.25	2.35
18	16.000	1.031	1066.60	1403.7	531.6	81.4	0.939	0.926	1.000	0.149	0.925	0.033	0.023	1.40	2.04
19	16.500	1.027	1064.04	1403.1	530.1	81.4	0.974	0.957	1.000	0.087	0.956	0.030	0.028	1.68	1.79
20	17.000	1.024	1065.48	1403.7	531.0	81.4	1.018	0.991	1.000	0.018	0.990	0.026	0.040	2.31	1.52
21	17.500	1.024	1061.24	1403.6	529.0	81.5	1.086	1.049	1.001	-0.057	1.047	0.024	0.061	3.31	1.33
22	18.000	1.024	1062.56	1404.4	529.4	81.4	1.120	1.075	0.999	-0.150	1.072	0.030	0.075	3.99	1.39
23	18.500	1.027	1064.51	1402.4	527.7	81.4	1.054	1.026	0.999	-0.053	1.024	0.041	0.041	3.44	2.30
24	19.000	1.026	1063.64	1403.6	529.8	81.4	0.999	0.978	0.999	0.041	0.976	0.042	0.042	2.79	2.47

TEST PART AEX10-6 ALPHA WING Y Z PUS SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 TC-484 237 3.000 5.01 4.8 4.00' -1.00 4-239 2-3-77 TRANSONIC 45

POINT	X	M	VU	PT	Q	TT	WL	VPL/VN	DTL/PT	CPL	UL/VN	VL/VN	WL/VN	ABL	SUL
1	10.500	1.026	1061.60	1403.3	529.9	81.4	1.048	1.018	0.999	-0.036	1.013	0.012	0.096	5.41	0.69
4	11.500	1.027	1063.93	1403.0	530.0	81.4	0.939	0.928	0.999	0.142	0.923	0.029	0.092	5.67	1.78
5	11.500	1.029	1066.10	1404.3	531.5	81.4	0.925	0.914	1.000	0.171	0.908	0.041	0.088	5.55	2.61
7	12.000	1.025	1064.34	1403.4	530.4	81.3	0.909	0.902	1.000	0.196	0.896	0.056	0.083	5.28	3.59
8	12.500	1.027	1064.04	1403.6	530.3	81.4	0.868	0.864	1.000	0.230	0.879	0.070	0.071	4.63	4.55
9	13.000	1.027	1064.32	1404.9	531.0	81.3	0.873	0.873	1.000	0.253	0.869	0.077	0.047	3.09	5.06
10	13.500	1.026	1065.38	1403.1	530.7	81.4	0.873	0.875	1.001	0.250	0.872	0.073	0.026	1.71	4.76
11	14.000	1.024	1061.54	1403.8	528.2	81.4	0.849	0.847	1.000	0.225	0.895	0.062	0.014	0.98	3.99
12	14.500	1.027	1064.47	1405.2	531.1	81.4	0.906	0.899	1.000	0.201	0.898	0.053	0.009	0.56	3.36
13	15.000	1.030	1066.36	1404.6	531.8	81.4	0.918	0.908	1.000	0.194	0.907	0.045	0.008	0.48	2.85
15	15.500	1.023	1060.81	1402.2	528.2	81.4	0.930	0.923	1.000	0.155	0.922	0.038	0.011	0.66	2.35
18	16.000	1.027	1064.44	1404.4	530.8	81.4	0.940	0.928	1.000	0.144	0.928	0.033	0.015	0.93	2.02
19	16.500	1.028	1065.70	1404.1	531.3	81.4	0.941	0.931	1.000	0.078	0.900	0.028	0.022	1.34	1.70
21	17.000	1.025	1062.56	1404.4	529.6	81.4	1.029	1.003	1.000	-0.007	1.002	0.025	0.038	2.38	1.43
24	17.500	1.023	1060.82	1402.9	528.5	81.4	1.047	1.031	1.000	-0.101	1.049	0.025	0.059	3.20	1.38
26	18.000	1.027	1064.55	1404.0	530.7	81.4	1.116	1.071	0.998	-0.144	1.068	0.033	0.071	3.79	1.78
33	18.500	1.022	1058.87	1402.9	528.0	81.5	1.017	0.996	0.998	0.006	0.993	0.042	0.053	3.06	2.43
34	19.000	1.025	1062.83	1405.5	530.4	81.5	1.011	0.988	0.999	0.021	0.987	0.042	0.044	2.57	2.45

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY
 TC-484 204 2.991 5.01 49 5.50 -5.00 4-207
 DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 TRANSONIC 4T

POINT	X	M	VM	PT	Q	IT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	EWL
4	10.500	1.024	1060.67	1397.7	526.9	80.6	1.091	1.053	0.999	-0.107	1.049	0.004	0.091	4.95	0.20
5	11.000	1.026	1042.80	1401.6	529.3	80.7	1.093	1.053	0.998	-0.109	1.049	0.000	0.093	5.09	0.01
6	11.500	1.026	1022.62	1402.8	529.6	80.7	1.028	1.001	0.998	-0.006	0.998	0.009	0.083	4.76	0.53
7	12.000	1.027	1043.69	1398.5	526.5	80.7	0.960	0.945	1.001	0.111	0.942	0.018	0.073	4.46	1.09
8	12.500	1.029	1065.45	1398.4	529.3	80.7	0.940	0.927	1.001	0.148	0.924	0.019	0.071	4.37	1.18
9	13.000	1.027	1063.32	1402.8	529.9	80.8	0.932	0.922	0.998	0.154	0.919	0.022	0.068	4.23	1.35
10	13.500	1.027	1063.64	1404.0	530.6	80.8	0.928	0.918	0.998	0.160	0.916	0.023	0.066	4.14	1.41
11	14.000	1.030	1065.77	1402.9	531.2	80.7	0.930	0.918	0.999	0.161	0.916	0.023	0.063	3.96	1.45
12	14.500	1.024	1060.47	1400.2	527.8	80.7	0.933	0.925	1.001	0.151	0.923	0.024	0.062	3.84	1.47
13	15.000	1.025	1062.03	1399.0	527.5	80.7	0.939	0.929	1.002	0.145	0.927	0.024	0.060	3.68	1.47
15	15.500	1.025	1061.99	1403.7	529.6	80.9	0.937	0.927	0.998	0.143	0.925	0.025	0.058	3.58	1.57
16	16.000	1.025	1062.21	1408.9	530.2	80.8	0.936	0.927	0.998	0.143	0.925	0.025	0.057	3.53	1.52
17	16.500	1.029	1068.95	1401.7	530.3	80.7	0.942	0.929	1.000	0.143	0.927	0.024	0.056	3.46	1.46
19	17.000	1.028	1064.46	1396.5	528.1	80.8	0.984	0.964	1.003	0.077	0.962	0.023	0.057	3.39	1.39
21	17.500	1.028	1064.63	1400.7	529.7	80.8	0.993	0.972	0.999	0.054	0.970	0.024	0.060	3.52	1.42
23	18.000	1.023	1060.60	1411.8	532.0	80.9	1.012	0.991	1.000	0.019	0.988	0.024	0.064	3.70	1.41
26	18.500	1.027	1063.85	1398.8	528.7	80.8	1.033	1.005	0.999	-0.010	1.002	0.023	0.070	3.97	1.31
27	19.000	1.029	1065.64	1404.2	531.5	81.0	1.058	1.023	0.999	-0.047	1.020	0.023	0.075	4.23	1.29

TEST PART PEX10-6 ALPHA WING Y Z PUM SUPPLY DATE AEPD PROPUSSION WIND TUNNEL
 TC-484 225 3.000 5.01 48 5.50 -4.00 4-227 2-3-77 TRANSONIC 42

POINT	X	M	VM	PT	Q	IT	WT	VML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
3	10.500	1.021	1039.09	1404.0	529.7	21.6	1.095	1.059	1.000	-0.117	1.055	0.001	0.094	5.09	0.03
5	11.000	1.027	1044.23	1404.5	531.1	21.4	1.099	1.056	0.999	-0.113	1.052	0.001	0.094	5.11	0.03
6	11.500	1.027	1044.23	1402.8	530.1	21.4	0.984	0.974	1.000	0.052	0.970	0.014	0.079	4.68	0.06
7	12.000	1.028	1043.89	1403.9	531.2	21.6	0.940	0.927	1.000	0.145	0.924	0.021	0.073	4.54	1.30
8	12.500	1.023	1040.91	1404.9	528.2	21.5	0.930	0.923	1.000	0.154	0.920	0.023	0.072	4.47	1.46
9	13.000	1.023	1040.84	1404.4	529.0	21.5	0.930	0.923	1.000	0.154	0.920	0.027	0.069	4.27	1.68
10	13.500	1.024	1041.33	1403.2	526.9	21.4	0.928	0.920	1.000	0.160	0.918	0.028	0.066	4.12	1.75
11	14.000	1.026	1043.36	1405.0	531.4	21.5	0.930	0.918	1.000	0.162	0.916	0.030	0.062	3.89	1.89
13	14.500	1.025	1042.40	1404.1	529.6	21.5	0.931	0.923	1.001	0.156	0.920	0.032	0.059	3.69	1.96
14	15.000	1.025	1042.85	1404.4	529.5	21.7	0.933	0.924	1.000	0.152	0.922	0.031	0.057	3.53	1.94
16	15.500	1.028	1045.14	1403.6	530.7	21.6	0.937	0.926	1.001	0.150	0.923	0.031	0.054	3.34	1.94
17	16.000	1.024	1041.53	1403.2	526.8	21.5	0.941	0.931	1.001	0.138	0.929	0.031	0.053	3.24	1.89
18	16.500	1.024	1041.21	1403.1	531.3	21.6	0.958	0.943	1.000	0.114	0.941	0.030	0.052	3.18	1.82
19	17.000	1.026	1043.89	1403.5	530.1	21.6	0.979	0.962	1.001	0.078	0.960	0.029	0.054	3.22	1.72
20	17.500	1.028	1045.20	1403.9	530.9	21.5	1.005	0.961	1.000	0.038	0.979	0.028	0.058	3.40	1.63
21	18.000	1.025	1042.78	1403.7	529.6	21.6	1.030	1.004	1.001	-0.007	1.001	0.028	0.065	3.71	1.60
22	18.500	1.024	1045.90	1404.3	531.3	21.6	1.053	1.027	1.001	-0.053	1.024	0.028	0.073	4.09	1.57
23	19.000	1.023	1041.10	1403.9	528.9	21.7	1.057	1.059	1.000	-0.116	1.055	0.029	0.085	4.56	1.55

TEST PART		PX10-6		ALFA		WING		Y		SURVEY		DATE		AEDC PROPULSION WIND TUNNEL	
TC-484		226		2.997		5.01		48		4-228		2-3-77		TRANSONIC 43	
POINT	X	P	VM	PT	O	TT	ML	VL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
2	10.500	1.025	1062.49	1403.7	529.4	41.7	1.110	1.067	1.000	-0.133	1.063	-0.001	0.097	5.21	-0.05
3	11.000	1.028	1065.03	1403.2	531.0	41.6	1.072	1.034	0.998	-0.070	1.030	0.005	0.092	5.09	0.28
4	11.500	1.028	1065.36	1404.6	531.2	41.5	0.975	0.956	1.000	0.087	0.953	0.019	0.080	4.83	1.12
5	12.000	1.030	1065.96	1403.4	531.6	41.7	0.934	0.925	1.000	0.151	0.921	0.025	0.076	4.74	1.57
6	12.500	1.026	1065.96	1403.6	530.2	41.7	0.923	0.923	1.000	0.155	0.919	0.030	0.074	4.59	1.89
7	13.000	1.025	1065.55	1403.4	529.6	41.6	0.925	0.918	1.000	0.165	0.914	0.033	0.071	4.46	2.09
8	13.500	1.027	1065.64	1403.6	530.3	41.5	0.925	0.915	1.001	0.170	0.912	0.037	0.067	4.19	2.29
11	14.000	1.022	1065.14	1403.7	526.5	41.5	0.922	0.917	1.000	0.166	0.914	0.039	0.062	3.91	2.42
15	14.500	1.022	1065.04	1403.6	526.3	41.6	0.925	0.920	1.000	0.161	0.917	0.040	0.058	3.60	2.49
16	15.000	1.025	1062.79	1403.9	529.7	41.8	0.924	0.920	1.000	0.160	0.918	0.040	0.053	3.32	2.50
17	15.500	1.028	1065.96	1403.0	531.6	41.6	0.932	0.921	1.000	0.158	0.919	0.038	0.050	3.09	2.43
20	16.000	1.026	1063.39	1403.7	529.9	41.6	0.938	0.928	1.000	0.145	0.926	0.038	0.047	2.90	2.33
21	16.500	1.025	1065.14	1403.4	530.7	41.5	0.944	0.931	1.001	0.139	0.929	0.036	0.047	2.89	2.30
23	17.000	1.024	1062.94	1404.0	529.8	41.6	0.949	0.970	1.000	0.059	0.969	0.034	0.051	3.02	2.01
24	17.500	1.024	1065.04	1403.8	530.7	41.6	1.023	0.996	1.000	0.009	0.964	0.033	0.057	3.30	1.90
25	18.000	1.026	1063.84	1404.0	530.2	41.7	1.062	1.028	1.001	-0.056	1.026	0.033	0.068	3.77	1.86
26	18.500	1.028	1065.11	1404.9	531.1	41.7	1.105	1.061	1.000	-0.121	1.057	0.034	0.082	4.41	1.93
28	19.000	1.025	1062.34	1404.0	529.5	41.7	1.134	1.085	0.999	-0.172	1.081	0.038	0.093	4.94	2.03

TEST	PART	HEX16-4	ALFA	WING	Y	Z	RUN SURVEY	DATE	AEDC PROPULSION WIND TUNNEL						
TC-484	727	3.004	5.01	48	5.50	-2.00	4-229	2- 3-77	TRANSONIC Q7						
POINT	X	Y	VW	PT	Q	TT	VL	VW/VL	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SML
1	14.500	1.024	1063.84	1406.3	531.1	81.6	1.102	1.060	1.000	-0.120	1.056	0.000	0.096	5.22	0.00
2	11.000	1.028	1065.20	1401.4	530.0	81.5	1.043	1.012	1.000	-0.024	1.008	0.010	0.091	5.13	0.56
3	11.500	1.024	1061.37	1405.0	529.5	81.5	0.941	0.932	0.999	0.136	0.977	0.025	0.084	5.20	1.54
4	12.000	1.024	1061.65	1404.7	530.2	81.6	0.931	0.923	0.999	0.152	0.919	0.030	0.083	5.17	1.87
5	12.500	1.024	1061.78	1403.5	529.2	81.6	0.924	0.917	1.001	0.167	0.913	0.036	0.081	5.08	2.27
6	13.000	1.027	1064.27	1402.9	530.0	81.6	0.921	0.913	1.000	0.175	0.908	0.042	0.077	4.84	2.65
7	13.500	1.025	1065.09	1403.3	531.1	81.5	0.918	0.909	1.000	0.183	0.905	0.048	0.071	4.50	3.05
8	14.000	1.025	1062.12	1405.3	530.0	81.5	0.914	0.908	1.000	0.184	0.905	0.053	0.063	4.01	3.37
9	14.500	1.025	1062.82	1402.8	529.3	81.7	0.915	0.908	1.001	0.184	0.905	0.054	0.054	3.42	3.43
10	15.000	1.020	1064.24	1404.0	531.3	81.7	0.919	0.909	1.000	0.181	0.907	0.053	0.047	2.96	3.35
12	15.500	1.026	1063.51	1404.9	530.5	81.5	0.927	0.918	1.000	0.165	0.916	0.050	0.040	2.50	3.12
13	16.000	1.027	1064.56	1405.0	531.0	81.6	0.933	0.923	1.000	0.155	0.921	0.045	0.037	2.33	2.82
15	16.500	1.024	1061.63	1403.2	534.9	81.7	0.959	0.947	1.000	0.106	0.945	0.041	0.039	2.35	2.49
16	17.000	1.027	1064.46	1404.8	530.8	81.7	1.004	0.982	1.000	0.037	0.980	0.038	0.045	2.64	2.23
19	17.500	1.026	1063.78	1403.3	529.9	81.7	1.060	1.027	1.001	-0.053	1.024	0.039	0.059	3.32	2.16
20	18.000	1.022	1060.40	1404.5	528.8	81.7	1.118	1.075	1.000	-0.151	1.072	0.038	0.077	4.10	2.06
21	18.500	1.027	1064.03	1405.7	530.9	81.7	1.159	1.103	0.998	-0.206	1.098	0.033	0.095	4.93	2.23
24	19.000	1.025	1062.84	1403.8	529.7	81.7	1.028	1.003	0.996	-0.010	0.999	0.055	0.065	3.73	3.13

TEST PART REGION-6 ALPHA KING Y 2 PHN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 TC-484 238 3.001 5.01 40 5.50 -1.50 4-240 2-3-77 TRANSONIC AT

POINT	X	M	VM	PT	Q	TY	ML	VM/VW	PTL/PT	CPL	UL/VW	VL/VW	SL/VW	AAL	SBL
2	10.500	1.021	1045.09	1404.0	528.8	91.4	1.009	1.038	0.999	-0.078	1.034	0.005	0.094	5.21	0.25
3	11.000	1.027	1043.67	1402.5	529.6	91.4	1.008	0.983	1.000	0.034	0.978	0.015	0.080	5.24	0.90
4	11.500	1.026	1045.45	1403.8	531.1	91.3	0.942	0.929	0.999	0.140	0.924	0.026	0.087	5.36	1.62
5	12.000	1.028	1045.08	1403.5	530.8	91.3	0.933	0.922	1.000	0.156	0.917	0.034	0.087	5.39	2.11
6	12.500	1.021	1048.94	1402.3	527.4	91.3	0.924	0.919	1.000	0.162	0.914	0.041	0.086	5.36	2.58
12	13.000	1.022	1048.56	1402.1	527.7	91.2	0.918	0.912	1.000	0.176	0.907	0.050	0.083	5.20	3.13
16	13.500	1.025	1051.45	1404.0	529.5	91.2	0.910	0.905	1.000	0.199	0.900	0.059	0.075	4.77	3.74
17	14.000	1.027	1043.72	1402.4	528.8	91.2	0.905	0.899	1.000	0.201	0.895	0.064	0.065	4.19	4.10
20	14.500	1.029	1045.47	1402.5	530.5	91.4	0.906	0.899	1.000	0.203	0.895	0.066	0.050	3.21	4.23
22	15.000	1.024	1043.30	1404.1	530.1	91.4	0.912	0.906	1.000	0.188	0.903	0.063	0.039	2.47	3.99
23	15.500	1.025	1042.30	1404.3	529.7	91.4	0.920	0.913	1.000	0.175	0.911	0.057	0.033	2.06	3.57
27	16.000	1.029	1046.04	1401.9	536.4	91.3	0.931	0.918	1.000	0.162	0.917	0.050	0.029	1.80	3.10
29	16.500	1.025	1043.32	1402.8	529.2	91.4	0.944	0.934	1.000	0.132	0.932	0.044	0.032	1.96	2.71
29	17.000	1.029	1045.63	1405.6	531.9	91.4	1.015	0.989	1.000	0.022	0.987	0.040	0.041	2.40	2.34
30	17.500	1.023	1060.30	1404.1	528.7	91.4	1.039	1.053	1.000	-0.106	1.051	0.040	0.061	3.34	2.17
32	18.000	1.025	1045.74	1403.6	531.1	91.4	1.154	1.097	0.999	-0.195	1.093	0.043	0.085	4.43	2.26
33	18.500	1.022	1059.45	1404.2	528.3	91.4	1.140	1.083	0.997	-0.188	1.089	0.054	0.081	4.26	2.85
34	19.000	1.026	1045.01	1404.9	531.2	91.4	0.982	0.962	0.996	0.069	0.959	0.061	0.053	3.16	3.85

TEST PART RCX10-6 ALFA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPELLION WIND TUNNEL
TC-484 239 2.997 5.01 26 5.50 -1.00 4-241

POINT	A	M	VN	PT	Q	TT	WL	VNL/VN	PTL/PT	CPI	UL/VN	VL/VN	WL/VN	AAL	SWL
4	10.500	1.023	1060.43	1403.0	528.4	81.3	1.077	1.043	0.999	-0.087	1.039	0.003	0.096	5.26	0.16
5	11.000	1.024	1062.84	1401.9	528.1	81.3	0.949	0.971	0.999	0.058	0.966	0.018	0.091	5.36	1.05
6	11.500	1.026	1064.94	1403.2	530.4	81.3	0.942	0.929	0.999	0.140	0.924	0.027	0.090	5.59	1.68
7	12.000	1.024	1065.29	1403.7	531.0	81.3	0.934	0.922	1.000	0.155	0.917	0.036	0.091	5.55	2.24
8	12.500	1.026	1064.66	1403.3	531.1	81.3	0.927	0.916	1.000	0.167	0.911	0.043	0.092	5.74	2.72
9	13.000	1.024	1063.62	1402.4	528.4	81.4	0.916	0.910	1.000	0.180	0.904	0.057	0.090	5.68	3.59
10	13.500	1.025	1062.34	1402.5	529.9	81.4	0.904	0.899	1.000	0.200	0.893	0.070	0.084	5.41	4.45
11	14.000	1.024	1064.88	1405.6	531.4	81.4	0.893	0.888	0.999	0.223	0.881	0.082	0.088	4.39	5.29
12	14.500	1.031	1064.61	1404.5	531.8	81.4	0.890	0.884	1.000	0.232	0.879	0.083	0.084	2.84	5.38
13	15.000	1.024	1064.87	1402.6	530.3	81.4	0.899	0.893	1.000	0.214	0.890	0.075	0.076	1.67	4.80
14	15.500	1.026	1064.85	1404.4	530.9	81.5	0.912	0.904	1.000	0.192	0.902	0.064	0.018	1.16	4.04
15	16.000	1.030	1066.42	1405.1	531.9	81.5	0.928	0.916	1.000	0.167	0.915	0.053	0.017	1.06	3.30
16	16.500	1.028	1062.67	1402.5	529.2	81.4	0.943	0.933	1.001	0.136	0.931	0.046	0.021	1.31	2.81
17	17.000	1.024	1066.22	1405.1	531.9	81.4	1.027	0.998	1.000	0.005	0.996	0.041	0.034	1.93	2.38
18	17.500	1.025	1062.19	1403.3	529.3	81.3	1.127	1.081	1.050	-0.161	1.078	0.041	0.065	3.45	2.20
19	18.000	1.031	1066.52	1405.1	532.0	81.5	1.184	1.119	0.997	-0.240	1.114	0.047	0.091	4.65	2.42
20	18.500	1.024	1061.74	1403.6	529.2	81.4	1.050	1.020	0.994	-0.048	1.017	0.050	0.054	3.04	3.40
21	19.000	1.028	1065.84	1404.8	531.6	81.4	0.999	0.976	0.997	0.045	0.972	0.066	0.042	2.45	3.91

TEST PART PEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 205 3.001 5.01 48 7.00 -3.00 4-208 2-3-77 TRANSONIC 47

POINT	X	M	Y	PI	Q	TT	ML	YHL/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
3	10.500	1.026	1063.52	1402.2	529.3	80.8	1.068	1.034	1.000	-0.067	1.030	0.002	0.086	4.79	0.14
4	11.000	1.029	1065.08	1402.5	530.6	80.9	1.080	1.041	1.000	-0.081	1.037	0.000	0.098	4.87	0.02
5	11.500	1.028	1064.68	1402.7	530.5	80.8	1.091	1.049	1.000	-0.099	1.045	-0.002	0.081	4.97	-0.11
6	12.000	1.027	1064.15	1400.9	529.5	81.0	0.986	0.967	0.999	0.066	0.963	0.014	0.078	4.63	0.82
7	12.500	1.030	1065.89	1403.1	531.2	80.8	0.943	0.929	0.999	0.140	0.926	0.018	0.074	4.58	1.11
9	13.000	1.025	1062.05	1403.6	529.6	80.9	0.938	0.928	1.000	0.144	0.925	0.020	0.072	4.46	1.24
10	13.500	1.025	1061.62	1402.0	528.8	80.9	0.935	0.926	1.000	0.149	0.923	0.021	0.071	4.42	1.28
11	14.000	1.028	1064.31	1401.6	529.8	81.0	0.936	0.924	1.000	0.151	0.921	0.022	0.069	4.31	1.38
13	14.500	1.027	1063.41	1403.9	530.3	80.9	0.938	0.927	0.999	0.145	0.924	0.025	0.067	4.15	1.53
14	15.000	1.026	1062.48	1402.5	529.4	80.9	0.937	0.927	1.000	0.146	0.925	0.025	0.066	4.07	1.53
15	15.500	1.029	1065.51	1401.4	530.3	81.0	0.940	0.927	1.000	0.147	0.924	0.025	0.064	3.93	1.58
16	16.000	1.027	1063.92	1402.2	529.9	81.0	0.942	0.930	1.000	0.140	0.928	0.026	0.062	3.85	1.62
17	16.500	1.030	1066.10	1403.7	531.4	81.2	0.961	0.944	1.000	0.112	0.941	0.027	0.062	3.74	1.63
19	17.000	1.028	1064.53	1402.8	530.4	81.1	0.972	0.955	1.000	0.090	0.952	0.027	0.062	3.74	1.61
21	17.500	1.022	1059.81	1402.0	527.8	81.1	0.991	0.974	1.001	0.052	0.972	0.027	0.065	3.82	1.57
22	18.000	1.025	1062.07	1402.1	528.9	81.1	1.005	0.984	1.001	0.033	0.981	0.026	0.068	3.94	1.51
24	18.500	1.024	1061.67	1403.0	528.8	81.1	1.033	1.007	1.001	-0.013	1.004	0.026	0.074	4.20	1.48
25	19.000	1.024	1060.88	1402.7	528.6	81.1	1.052	1.023	1.000	-0.046	1.020	0.024	0.080	4.48	1.36

TEST		PART	REFIN-6	ALFA	2ING	Y	2	PUN	DATE	AEDC PROPUSSION WIND TUNNEL					
TC-484		224	3.002	5.01	44	7.00	-4.00	4-230	2-3-77	TRANSONIC 41					
POINT	X	M	VM	PT	O	TT	ML	VM/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
2	10.500	1.025	1062.73	1406.1	530.5	41.7	1.074	1.034	1.000	-0.078	1.035	0.003	0.088	4.87	0.15
3	11.000	1.026	1063.84	1403.1	528.9	41.6	1.091	1.051	1.000	-0.102	1.047	-0.000	0.091	4.96	-0.00
4	11.500	1.026	1063.85	1404.6	531.4	41.7	1.069	1.032	0.999	-0.045	1.028	0.004	0.088	4.87	0.21
5	12.000	1.026	1063.15	1404.2	530.0	41.6	0.971	0.955	1.000	0.089	0.952	0.017	0.078	4.67	1.00
6	12.500	1.024	1061.33	1403.2	528.8	41.5	0.934	0.926	1.000	0.149	0.923	0.020	0.076	4.71	1.22
7	13.000	1.024	1065.19	1403.9	530.8	41.6	0.936	0.924	1.000	0.151	0.921	0.024	0.074	4.57	1.47
8	13.500	1.027	1064.74	1404.0	530.6	41.7	0.935	0.924	1.001	0.153	0.921	0.027	0.072	4.47	1.65
9	14.000	1.028	1066.20	1404.1	531.4	41.6	0.935	0.923	1.000	0.154	0.920	0.029	0.070	4.34	1.79
10	14.500	1.024	1061.55	1404.2	529.2	41.6	0.934	0.926	1.000	0.148	0.923	0.030	0.068	4.22	1.87
11	15.000	1.027	1064.50	1404.3	530.7	41.6	0.937	0.925	1.000	0.150	0.923	0.032	0.066	4.06	1.96
12	15.500	1.027	1064.10	1404.1	530.4	41.6	0.939	0.928	1.000	0.145	0.925	0.033	0.063	3.89	2.05
13	16.000	1.028	1065.47	1405.2	531.4	41.7	0.942	0.929	1.000	0.142	0.926	0.033	0.061	3.76	2.06
14	16.500	1.021	1055.27	1422.9	527.7	41.6	0.961	0.951	1.001	0.100	0.948	0.033	0.060	3.63	2.02
16	17.000	1.028	1065.48	1405.8	531.7	41.7	0.980	0.960	1.000	0.079	0.958	0.033	0.061	3.65	1.97
17	17.500	1.024	1061.85	1404.2	529.4	41.6	1.004	0.984	1.000	0.033	0.981	0.033	0.065	3.81	1.93
18	18.000	1.030	1066.64	1406.5	532.5	41.7	1.032	1.002	1.000	-0.004	0.999	0.033	0.071	4.09	1.88
19	19.000	1.024	1061.90	1404.3	529.4	41.7	1.060	1.029	1.000	-0.057	1.025	0.032	0.080	4.46	1.80
20	19.000	1.028	1066.21	1405.1	531.7	41.7	1.095	1.052	0.999	-0.105	1.047	0.031	0.090	4.94	1.70

TEST PLAT PEX10-6 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 IC-424 229 3.006 5.01 48 7.00 -3.00 4-231 TRANSONIC 4T

POINT	X	M	VW	BT	O	TT	WL	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	NL/VW	ALL	SUL
2	11.500	1.024	1045.35	1403.1	532.1	41.7	1.049	1.048	1.000	-0.096	1.044	0.001	0.089	4.86	0.08
3	11.000	1.024	1040.06	1403.1	530.6	41.5	1.101	1.057	1.000	-0.113	1.053	-0.003	0.092	4.99	-0.14
4	11.500	1.024	1041.83	1405.7	529.9	41.6	0.982	0.970	0.999	0.054	0.967	0.014	0.082	4.83	0.25
5	12.000	1.024	1041.18	1403.4	529.6	41.4	0.940	0.931	1.000	0.137	0.928	0.020	0.079	4.89	1.26
6	12.500	1.026	1043.14	1404.8	530.3	41.5	0.936	0.926	1.000	0.147	0.923	0.024	0.076	4.83	1.31
7	13.000	1.027	1044.85	1404.0	530.7	41.5	0.935	0.924	1.000	0.153	0.920	0.028	0.076	4.75	1.23
8	13.500	1.024	1043.75	1404.2	530.2	41.7	0.934	0.924	1.000	0.152	0.921	0.032	0.074	4.62	1.98
10	14.000	1.025	1042.36	1404.6	529.8	41.6	0.931	0.923	1.000	0.154	0.919	0.034	0.073	4.55	2.13
11	14.500	1.027	1044.47	1405.4	531.1	41.6	0.932	0.922	1.000	0.157	0.918	0.037	0.070	4.36	2.33
14	15.000	1.023	1040.47	1402.7	528.2	41.5	0.933	0.926	1.001	0.150	0.922	0.041	0.066	4.09	2.52
15	15.500	1.027	1041.32	1405.1	530.9	41.5	0.935	0.924	1.000	0.151	0.921	0.041	0.063	3.90	2.56
19	16.000	1.024	1041.34	1403.8	529.0	41.5	0.938	0.929	1.000	0.142	0.926	0.042	0.058	3.58	2.61
20	16.500	1.027	1044.59	1403.9	530.5	41.7	0.944	0.932	1.001	0.138	0.929	0.042	0.057	3.52	2.57
23	17.000	1.025	1042.45	1404.2	529.7	41.5	0.968	0.970	1.001	0.061	0.967	0.042	0.050	3.38	2.48
24	17.500	1.028	1044.89	1403.7	530.7	41.5	1.026	0.999	1.000	0.003	0.966	0.042	0.067	3.84	2.39
27	18.000	1.028	1045.03	1405.7	531.4	41.6	1.065	1.028	1.000	-0.058	1.026	0.042	0.078	4.35	2.33
28	18.500	1.025	1042.75	1403.3	529.5	41.4	1.103	1.061	1.000	-0.122	1.057	0.040	0.090	4.87	2.16
29	19.000	1.030	1046.70	1404.1	531.6	41.7	1.144	1.069	0.999	-0.178	1.083	0.039	0.106	5.57	2.04

TEST PIRT REX10-6		ALFA		RING		Y		Z		RUN SURVEY		DATE		AEDC PROPUSSION WIND TUNNEL		TRANSONIC 41	
TC-484		230		3.004		5.01		48		7.00		-2.00		2-3-77			
POINT	X	Y	Z	W	VP	PT	Q	TT	ML	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
2	10.500	1.030	1066.77	1405.6	532.2	51.7	1.007	1.003	1.007	1.053	1.000	-0.105	1.049	-0.002	0.091	4.96	-0.10
3	11.000	1.024	1061.90	1404.3	529.4	51.7	1.004	1.000	1.004	1.048	1.000	-0.045	1.044	-0.000	0.091	5.00	-0.01
4	11.500	1.030	1054.50	1403.5	531.3	51.6	0.996	0.999	0.996	0.973	1.000	0.053	0.969	0.014	0.084	4.98	0.83
5	12.000	1.029	1055.40	1404.1	531.2	51.6	0.944	0.931	0.944	0.931	1.000	0.138	0.927	0.022	0.083	5.09	1.38
7	12.500	1.022	1040.33	1405.5	524.1	51.6	0.936	0.925	0.936	0.925	1.000	0.142	0.924	0.027	0.083	5.12	1.69
8	13.000	1.023	1050.59	1403.7	528.6	51.5	0.931	0.924	0.931	0.924	1.001	0.153	0.920	0.030	0.083	5.15	1.86
9	13.500	1.024	1053.09	1403.7	529.6	51.6	0.930	0.919	0.930	0.919	1.000	0.158	0.917	0.035	0.082	5.10	2.21
10	14.000	1.028	1045.60	1404.5	531.2	51.6	0.928	0.919	0.928	0.919	1.000	0.161	0.915	0.041	0.079	4.94	2.59
14	14.500	1.025	1042.70	1404.3	529.8	51.7	0.926	0.918	0.926	0.918	1.000	0.165	0.914	0.052	0.075	4.70	3.02
15	15.000	1.026	1053.81	1404.9	530.5	51.7	0.924	0.920	0.924	0.920	1.000	0.161	0.916	0.055	0.070	4.36	3.25
17	15.500	1.025	1062.41	1404.9	520.0	51.6	0.924	0.922	0.924	0.922	1.000	0.141	0.916	0.055	0.062	3.84	3.45
18	16.000	1.025	1062.54	1403.8	529.6	51.5	0.941	0.924	0.941	0.924	1.000	0.155	0.919	0.055	0.054	3.37	3.41
19	16.500	1.030	1066.50	1404.8	531.8	51.6	1.011	0.998	1.011	0.998	1.000	0.144	0.925	0.054	0.052	3.21	3.33
21	17.000	1.025	1062.70	1404.3	529.8	51.6	1.011	0.998	1.011	0.998	1.001	0.025	0.985	0.055	0.059	3.44	3.17
22	17.500	1.029	1045.74	1403.6	530.9	51.7	1.064	1.028	1.064	1.028	1.000	-0.056	1.024	0.055	0.072	4.02	3.10
23	18.000	1.022	1060.30	1404.1	528.6	51.6	1.116	1.074	1.116	1.074	1.000	-0.148	1.069	0.055	0.090	4.81	2.96
24	18.500	1.027	1064.74	1404.8	530.0	51.7	1.169	1.109	1.169	1.109	0.999	-0.218	1.102	0.053	0.113	5.86	2.74
26	19.000	1.022	1050.67	1402.7	527.8	51.6	1.142	1.094	1.142	1.094	0.996	-0.192	1.088	0.062	0.103	5.43	3.25

TEST PART		PX10-6		ALFA		WING		Y		Z		RUN SURVEY		DATE		AERC PROPULSION WIND TUNNEL		TRANSONIC AT	
TC-484		240		3.60R		5.01		7.00		-1.50		6-242		2-3-77					
POINT	X	M	VM	PT	O	IT	ML	VMI/VM	PTL/PT	CPL	UL/VM	VL/VM	UL/VM	VL/VM	UL/VM	VL/VM	UL/VM	VL/VM	UL/VM
3	10.500	1.020	1045.10	1406.6	532.4	81.4	1.101	1.056	0.999	-0.113	1.052	-0.002	1.052	-0.002	1.052	-0.002	1.052	-0.002	1.052
4	11.500	1.021	1048.74	1401.9	527.1	81.4	1.025	1.064	0.999	-0.002	1.000	0.008	1.000	0.008	1.000	0.008	1.000	0.008	1.000
5	11.500	1.027	1043.84	1405.6	531.0	81.4	0.980	0.962	0.999	0.074	0.958	0.016	0.958	0.016	0.958	0.016	0.958	0.016	0.958
6	12.000	1.026	1044.59	1403.5	530.5	81.4	0.942	0.930	1.001	0.142	0.925	0.024	0.925	0.024	0.925	0.024	0.925	0.024	0.925
7	12.500	1.026	1043.00	1403.9	529.9	81.4	0.938	0.928	0.999	0.143	0.924	0.028	0.924	0.028	0.924	0.028	0.924	0.028	0.924
8	13.000	1.024	1041.37	1402.5	526.7	81.3	0.931	0.924	1.000	0.153	0.919	0.031	0.919	0.031	0.919	0.031	0.919	0.031	0.919
9	13.500	1.024	1044.65	1404.4	531.1	81.2	0.932	0.921	1.000	0.158	0.916	0.038	0.916	0.038	0.916	0.038	0.916	0.038	0.916
12	14.000	1.028	1045.33	1403.0	530.7	81.4	0.928	0.918	1.000	0.165	0.913	0.047	0.913	0.047	0.913	0.047	0.913	0.047	0.913
14	14.500	1.023	1040.60	1403.7	528.7	81.4	0.924	0.918	1.000	0.164	0.913	0.055	0.913	0.055	0.913	0.055	0.913	0.055	0.913
15	15.000	1.027	1043.90	1403.9	530.3	81.4	0.921	0.912	1.000	0.176	0.907	0.062	0.907	0.062	0.907	0.062	0.907	0.062	0.907
19	15.500	1.021	1046.13	1403.4	527.9	81.4	0.920	0.916	1.001	0.171	0.911	0.066	0.911	0.066	0.911	0.066	0.911	0.066	0.911
20	16.000	1.026	1043.63	1403.2	529.9	81.5	0.923	0.915	1.001	0.171	0.911	0.065	0.911	0.065	0.911	0.065	0.911	0.065	0.911
23	16.500	1.024	1041.20	1403.5	528.9	81.4	0.942	0.932	1.001	0.137	0.929	0.063	0.929	0.063	0.929	0.063	0.929	0.063	0.929
24	17.000	1.027	1044.50	1404.1	530.7	81.4	1.025	0.998	1.001	0.005	0.994	0.065	0.994	0.065	0.994	0.065	0.994	0.065	0.994
26	17.500	1.022	1040.77	1402.7	526.2	81.4	1.064	1.057	1.001	-0.111	1.052	0.068	1.052	0.068	1.052	0.068	1.052	0.068	1.052
27	18.000	1.029	1046.05	1404.2	531.5	81.4	1.156	1.099	0.999	-0.198	1.092	0.066	1.092	0.066	1.092	0.066	1.092	0.066	1.092
28	18.500	1.024	1041.33	1403.2	528.9	81.4	1.200	1.136	0.997	-0.273	1.126	0.065	1.126	0.065	1.126	0.065	1.126	0.065	1.126
30	19.000	1.029	1046.12	1403.3	531.9	81.5	1.030	1.001	0.992	-0.012	0.994	0.081	0.994	0.081	0.994	0.081	0.994	0.081	0.994

TEST PART 241 3-C01 2-3-77 DATE 2-3-77 AEDC PROPUSSION WIND TUNNEL
TC-484 241 3-C01 2-3-77 DATE 2-3-77 AEDC PROPUSSION WIND TUNNEL

PUM SURVEY
6-243

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WING Y
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ALFA
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3-C01

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TEST		PART		REX10-6		ALFA		WING		Y		2		PIN SURVEY		DATE		AEDC		PROPULSION		WIND TUNNEL	
TC-8A4		242		2.999		5.01		46		-6.00		-5.00		4-244		2-3-77		TRANSONIC		47			
POINT	X	Y	Z	U	V	W	PT	TT	ML	VH/VH	PT/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SUL						
4	11.000	1.026	1063.23	1402.8	529.7	0	81.2	1.036	1.008	0.999	-0.017	1.005	0.008	0.002	0.082	4.65	0.49						
5	12.000	1.026	1065.55	1404.2	531.3	0	81.3	0.937	0.925	1.000	0.150	0.922	-0.013	0.070	4.37	-0.81							
6	13.000	1.026	1065.04	1403.2	530.6	0	81.3	0.932	0.921	1.000	0.159	0.918	-0.016	0.065	4.05	-1.01							
7	14.000	1.024	1061.60	1401.4	528.3	0	81.3	0.930	0.923	1.001	0.157	0.920	-0.019	0.059	3.65	-1.16							
8	15.000	1.024	1061.61	1402.0	526.3	0	81.2	0.935	0.927	1.001	0.147	0.925	-0.019	0.054	3.36	-1.15							
9	16.000	1.023	1060.35	1403.8	528.7	0	81.3	0.942	0.933	1.001	0.134	0.932	-0.018	0.052	3.18	-1.10							
10	17.000	1.024	1061.42	1402.4	528.7	0	81.3	0.975	0.960	1.000	0.080	0.958	-0.017	0.054	3.21	-1.03							
21	18.000	1.028	1064.64	1403.4	530.5	0	81.3	1.013	0.988	1.001	0.025	0.986	-0.016	0.061	3.52	-0.93							
22	19.000	1.026	1063.36	1404.8	530.4	0	81.4	1.058	1.025	0.999	-0.051	1.022	-0.016	0.073	4.08	-0.92							

TEST PART		DEXIC-6	ALFA	WING	Y	Z	PUN SURVEY	DATE		AEDC PROPULSION WIND TUNNEL						
TC-484		243	2.906	5.01	48	-4.00	-3.00	3-3-77		TRANSONIC 48						
POINT	X	M	VM	PT	O	TT	ML	VML/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SUL	
2	11.000	1.026	1042.85	1401.3	529.9	91.2	0.987	0.969	1.000	0.062	0.965	-0.013	0.082	4.86	-0.78	
3	12.000	1.023	1060.42	1402.4	528.2	91.3	0.975	0.918	1.000	0.161	0.916	-0.025	0.069	4.31	-1.56	
4	13.000	1.024	1066.06	1404.2	531.1	91.2	0.917	0.908	1.000	0.184	0.905	-0.030	0.058	3.65	-1.91	
7	14.000	1.024	1061.10	1401.6	528.2	91.2	0.918	0.913	1.000	0.175	0.911	-0.031	0.046	2.90	-1.94	
11	15.000	1.023	1061.04	1403.6	529.0	91.3	0.929	0.922	1.000	0.157	0.921	-0.028	0.040	2.46	-1.74	
12	16.000	1.029	1065.69	1403.7	531.1	91.3	0.937	0.925	1.000	0.150	0.924	-0.024	0.038	2.26	-1.49	
19	17.000	1.027	1064.30	1403.7	530.5	91.2	0.995	0.973	1.001	0.054	0.972	-0.020	0.046	2.72	-1.16	
22	18.000	1.022	1059.60	1401.4	527.4	91.2	1.059	1.029	1.001	-0.056	1.027	-0.018	0.065	3.60	-1.03	
26	19.000	1.023	1060.53	1405.5	520.5	91.4	1.035	1.009	0.999	-0.020	1.007	-0.028	0.064	3.61	-1.58	

TEST WAST PCX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 IC-464 244 3.007 5.01 4s -4.00 -1.00 9-246 2-3-77 TRANSONIC 45

POINT	X	Y	VM	PT	O	YT	ML	VM/VW	PTL/PT	CPL	UL/VP	VL/VM	ML/VM	AAL	SML
2	11.000	1.028	1064.30	1406.6	531.9	41.4	0.936	0.924	0.999	0.149	0.919	-0.027	0.092	5.72	-1.71
3	12.000	1.024	1061.22	1402.2	524.5	41.2	0.902	0.899	1.001	0.203	0.893	-0.056	0.094	5.34	-3.57
4	13.000	1.026	1046.51	1401.6	530.3	41.3	0.872	0.870	0.999	0.258	0.865	-0.073	0.043	2.83	-4.06
6	14.000	1.023	1060.51	1404.5	529.0	41.2	0.891	0.890	1.000	0.220	0.888	-0.056	0.011	0.72	-3.62
7	15.000	1.026	1046.22	1402.0	530.4	41.0	0.917	0.908	1.000	0.184	0.907	-0.039	0.006	0.37	-2.47
9	16.000	1.026	1043.28	1402.8	529.8	41.2	0.942	0.930	1.000	0.140	0.930	-0.026	0.014	0.86	-1.63
19	17.000	1.025	1062.04	1403.4	524.3	41.3	1.030	1.004	1.001	-0.008	1.003	-0.021	0.039	2.21	-1.18
23	16.000	1.023	1060.24	1403.6	529.6	41.2	1.062	1.032	0.998	-0.066	1.030	-0.032	0.059	3.29	-1.76
27	19.000	1.029	1065.98	1402.7	530.9	41.2	1.015	0.988	1.000	0.024	0.986	-0.038	0.042	2.42	-2.19

TEST PART		PEX10-6	ALFA	WING	Y	Z	SUM SURVEY		DATE	AEDC PROPULSION WIND TUNNEL				
TC-484		245	2.049	5.01	4A	-7.00	-5.00	4-247	2-3-77	TRANSONIC 45				
POINT	F	M	VM	PT	O	TT	WL	VM/L/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	SM/L
5	11.000	1.025	1042.59	1403.7	529.6	81.4	1.069	1.043	1.000	-0.016	1.039	0.003	0.007	0.14
6	12.000	1.020	1055.92	1402.6	530.9	81.4	0.987	0.966	0.989	0.068	0.962	-0.010	0.006	-0.49
8	13.000	1.024	1041.70	1403.1	529.4	81.3	0.937	0.928	1.000	0.144	0.924	-0.018	0.001	-1.13
11	14.000	1.028	1044.46	1401.5	530.0	81.2	0.937	0.925	1.001	0.131	0.921	-0.022	0.007	-1.38
14	15.000	1.024	1043.21	1403.1	530.2	81.1	0.939	0.928	1.000	0.143	0.925	-0.024	0.003	-1.51
20	16.000	1.026	1041.17	1402.3	529.4	81.2	0.943	0.931	1.000	0.137	0.929	-0.026	0.009	-1.59
27	17.000	1.025	1042.43	1403.2	529.4	81.3	0.974	0.950	0.999	0.003	0.955	-0.026	0.000	-1.53
32	18.000	1.024	1051.56	1402.1	526.7	81.3	1.014	0.991	1.000	0.017	0.984	-0.024	0.007	-1.42
35	19.000	1.026	1042.75	1403.8	529.8	81.2	1.062	1.029	1.000	-0.059	1.025	-0.024	0.009	-1.31

TEST	PART	REF ID-A	ALFA	WING	Y	Z	RUN SURVEY	DATE	AEDC PROPULSION WIND TUNNEL						
TC-084	246	2.097	5.01	48	-7.00	-3.00	4-248	2-3-77	TRANSONIC QT						
POINT	X	M	W	PT	Q	TT	HL	VPL/VH	PTL/PT	CPL	UL/VP	VL/VM	HL/VM	AAL	SWL
4	11.000	1.028	1045.00	1401.4	530.0	81.3	1.105	1.060	1.031	-0.119	1.055	0.007	0.101	5.45	0.38
5	12.000	1.025	1062.36	1402.6	529.3	81.2	0.940	0.930	0.998	0.137	0.926	-0.019	0.088	5.42	-1.21
6	13.000	1.026	1055.09	1403.1	530.7	81.2	0.935	0.923	1.000	0.153	0.919	-0.025	0.085	5.29	-1.59
7	14.000	1.023	1050.31	1402.2	528.0	81.3	0.930	0.923	1.000	0.153	0.919	-0.034	0.081	5.01	-2.13
8	15.000	1.020	1045.53	1402.6	530.6	81.3	0.931	0.920	1.000	0.160	0.916	-0.040	0.073	4.53	-2.47
11	14.000	1.024	1064.71	1402.0	530.0	81.3	0.937	0.925	1.001	0.151	0.922	-0.041	0.064	3.96	-2.57
14	17.000	1.024	1062.14	1403.5	529.4	81.3	0.991	0.973	1.000	0.055	0.969	-0.040	0.067	3.93	-2.35
16	17.000	1.024	1063.40	1403.3	530.0	81.4	1.066	1.031	1.000	-0.062	1.027	-0.039	0.085	4.71	-2.15
19	16.000	1.025	1062.17	1405.0	524.9	81.4	1.147	1.096	0.998	-0.192	1.089	-0.035	0.115	6.01	-1.85

TEST		PART		APPROX		WIND		RUN SURVEY		DATE		AEDC PROPUSSION WIND TUNNEL				
TC-484		267		2.944		48		4-249		2- 3-77		TRANSONIC 4T				
POINT	X	M	W	V	PT	Q	TT	WL	VL/VH	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SUL
2	11.000	1.024	1061.84	1401.3	1401.3	529.4	21.4	1.041	1.013	1.000	-0.027	1.008	-0.003	0.099	5.59	-0.17
4	12.000	1.028	1065.06	1404.2	1404.2	531.1	21.2	0.943	0.930	0.999	0.134	0.925	-0.022	0.098	6.06	-1.39
5	13.000	1.030	1046.56	1364.3	1364.3	531.8	21.3	0.935	0.922	0.999	0.154	0.916	-0.032	0.100	6.24	-1.99
6	14.000	1.024	1067.33	1402.6	1402.6	529.3	21.2	0.923	0.915	0.999	0.164	0.908	-0.050	0.102	6.41	-3.16
9	15.000	1.026	1063.44	1361.9	1361.9	526.4	21.3	0.904	0.899	0.999	0.200	0.891	-0.081	0.084	5.36	-5.18
10	16.000	1.028	1065.50	1403.9	1403.9	531.1	21.3	0.909	0.901	0.999	0.197	0.897	-0.079	0.041	2.60	-5.02
11	17.000	1.027	1063.55	1401.7	1401.7	529.4	21.2	1.044	1.014	1.001	-0.027	1.010	-0.076	0.054	3.08	-4.30
12	18.000	1.024	1063.74	1403.2	1403.2	529.8	21.2	1.194	1.129	0.996	-0.260	1.121	-0.079	0.115	5.88	-4.03
14	19.000	1.020	1058.41	1402.9	1402.9	527.4	21.4	1.016	0.997	0.995	-0.000	0.988	-0.105	0.074	4.28	-6.05

TEST PART REF10-6 ALPHA WING YR ZT RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
TC-48A 303 3.002 5.01 4N 0.00 -14.14 5-501 2- 3-77 TRANSONIC 42

POINT	XT	M	VM	PT	Q	TT	ML	VML/VH	DTL/PT	CPL	UT/VH	VT/VH	WT/VH	AATL	SMPL
7	-6.000	1.028	1065.12	1405.1	531.2	81.7	0.993	0.972	1.000	0.057	0.972	0.001	0.008	0.47	0.05
8	-5.500	1.027	1064.06	1404.8	530.7	81.6	0.994	0.973	1.001	0.054	0.973	0.001	0.008	0.47	0.04
9	-5.000	1.026	1063.10	1403.5	529.9	81.2	0.993	0.973	1.001	0.055	0.973	0.001	0.008	0.49	0.04
12	-4.500	1.026	1063.02	1402.5	529.4	81.4	0.992	0.972	1.001	0.057	0.972	0.001	0.008	0.49	0.05
13	-4.000	1.025	1062.46	1403.9	529.7	81.4	0.991	0.971	1.001	0.056	0.972	0.001	0.008	0.47	0.06
14	-3.500	1.026	1063.90	1403.4	529.7	81.4	0.991	0.972	1.001	0.057	0.972	0.001	0.008	0.47	0.05
15	-3.000	1.026	1063.37	1404.3	530.2	81.5	0.994	0.974	1.001	0.053	0.974	0.001	0.008	0.47	0.05
16	-2.500	1.025	1062.04	1405.2	529.9	81.4	0.992	0.974	1.001	0.053	0.974	0.001	0.008	0.47	0.07
17	-2.000	1.024	1061.84	1402.9	529.0	81.4	0.991	0.973	1.002	0.057	0.973	0.001	0.008	0.44	0.04
18	-1.500	1.026	1063.03	1403.3	529.3	81.4	0.989	0.970	1.001	0.061	0.970	0.001	0.007	0.44	0.04
19	-1.000	1.025	1062.16	1403.7	529.5	81.3	0.986	0.969	1.001	0.064	0.969	0.001	0.006	0.38	0.05
20	-0.500	1.024	1061.52	1404.4	529.4	81.4	0.983	0.966	1.001	0.069	0.966	0.001	0.006	0.34	0.07
21	0.000	1.025	1062.41	1403.6	529.5	81.4	0.979	0.962	1.001	0.077	0.962	0.001	0.004	0.25	0.08
22	0.500	1.024	1061.98	1402.4	528.9	81.4	0.981	0.965	1.001	0.073	0.965	0.001	0.004	0.22	0.06
23	1.000	1.024	1061.80	1403.2	529.1	81.4	0.980	0.964	1.001	0.073	0.964	0.001	0.003	0.17	0.07
24	1.500	1.024	1061.81	1403.8	529.4	81.3	0.981	0.965	1.001	0.071	0.965	0.001	0.003	0.08	0.06
25	2.000	1.025	1061.84	1402.7	529.0	81.2	0.983	0.966	1.001	0.069	0.966	0.001	0.003	0.02	0.05
26	2.500	1.023	1060.90	1403.2	528.7	81.2	0.985	0.968	1.001	0.065	0.968	0.001	0.002	-0.05	0.05
27	3.000	1.024	1061.26	1403.9	529.1	81.4	0.985	0.968	1.001	0.064	0.968	0.001	0.002	-0.12	0.05
28	3.500	1.023	1061.14	1402.7	528.6	81.4	0.985	0.968	1.001	0.064	0.968	0.001	0.002	-0.15	0.06
29	4.000	1.024	1061.49	1402.8	528.7	81.5	0.986	0.969	1.001	0.063	0.969	0.001	0.004	-0.21	0.06
30	4.500	1.024	1061.97	1406.0	530.2	81.4	0.987	0.970	1.000	0.061	0.970	0.001	0.004	-0.25	0.06
31	5.000	1.024	1061.30	1405.1	529.6	81.4	0.987	0.970	1.000	0.060	0.970	0.001	0.004	-0.26	0.06
32	5.500	1.023	1061.13	1403.8	529.0	81.4	0.980	0.973	1.001	0.050	0.973	0.001	0.003	-0.29	0.03
33	6.000	1.024	1061.96	1405.6	530.0	81.5	0.993	0.974	1.000	0.052	0.974	0.001	0.003	-0.32	0.05
34	6.500	1.023	1060.63	1404.0	528.8	81.4	0.993	0.976	1.001	0.049	0.976	0.001	0.003	-0.31	0.06
35	7.000	1.023	1060.78	1403.9	528.9	81.3	0.994	0.976	1.001	0.048	0.976	0.001	0.003	-0.30	0.05
36	7.500	1.025	1062.37	1403.5	529.5	81.4	0.994	0.977	1.001	0.046	0.977	0.001	0.003	-0.27	0.07
37	8.000	1.023	1060.93	1404.0	529.1	81.2	0.998	0.980	1.000	0.041	0.980	0.001	0.004	-0.23	0.07
38	8.500	1.023	1060.62	1403.4	528.7	81.2	1.003	0.984	1.001	0.033	0.984	0.001	0.003	-0.17	0.06
39	9.000	1.024	1061.37	1403.1	528.9	81.2	1.005	0.985	1.001	0.032	0.985	0.001	0.002	-0.12	0.05
40	9.500	1.024	1061.25	1402.5	528.6	81.3	1.009	0.988	1.001	0.035	0.988	0.001	0.001	-0.06	0.05
41	10.000	1.026	1063.11	1403.0	529.6	81.4	1.012	0.989	1.001	0.033	0.989	0.001	0.001	0.02	0.05
42	10.500	1.024	1061.69	1404.5	529.6	81.3	1.018	0.995	1.001	0.031	0.995	0.001	0.000	0.10	0.06
43	11.000	1.024	1061.72	1403.6	529.2	81.4	1.021	0.997	1.001	0.007	0.997	0.001	0.003	0.19	0.05
44	11.500	1.024	1061.51	1403.4	529.0	81.4	1.025	1.001	1.001	0.001	1.001	0.001	0.003	0.28	0.05
45	12.000	1.026	1063.51	1405.7	530.8	81.4	1.016	0.991	1.000	0.017	0.991	0.001	0.003	0.28	0.07
46	12.500	1.025	1062.83	1404.2	529.9	81.5	0.969	0.954	1.000	0.092	0.954	0.001	0.001	0.07	0.09
47	13.000	1.025	1062.63	1403.8	529.8	81.2	0.944	0.933	1.000	0.134	0.933	0.001	0.001	-0.03	0.04
48	13.500	1.025	1062.43	1403.8	529.7	81.2	0.944	0.933	1.001	0.134	0.933	0.001	0.001	-0.03	0.04
49	14.000	1.025	1062.48	1403.9	529.7	81.3	0.963	0.946	1.000	0.108	0.946	0.001	0.003	-0.20	0.04
50	14.500	1.026	1062.95	1402.5	529.4	81.2	0.963	0.949	1.001	0.104	0.949	0.001	0.004	-0.24	0.04
51	15.000	1.027	1063.56	1402.9	529.4	81.1	0.965	0.950	1.000	0.101	0.950	0.001	0.003	-0.30	0.04
52	15.500	1.026	1063.15	1402.5	529.6	81.1	0.970	0.954	1.001	0.093	0.954	0.001	0.006	-0.36	0.04

TEST PART REX10-6 ALPHA WING YT ZT RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 301 3.002 5.01 41 0.00 -14.14 5-501 2-3-77 TRANSONIC 47

POINT	XT	M	VM	PT	Q	IT	ML	VHL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
53	16.000	1.028	1065.19	1401.8	530.2	81.2	0.972	0.954	1.001	0.093	0.954	0.001	-0.007	-0.42	0.05
55	16.500	1.028	1065.56	1402.9	530.8	81.3	0.978	0.958	1.001	0.095	0.958	0.001	-0.008	-0.45	0.04
56	17.000	1.029	1065.61	1403.2	530.9	81.3	0.980	0.960	1.001	0.090	0.960	0.000	-0.008	-0.49	0.03
58	17.500	1.030	1066.33	1404.2	531.6	81.4	0.983	0.962	1.001	0.077	0.962	0.000	-0.008	-0.47	0.03
59	18.000	1.028	1064.88	1404.1	530.9	81.4	0.985	0.965	1.001	0.070	0.965	0.001	-0.008	-0.47	0.05
60	18.500	1.029	1065.42	1403.8	531.1	81.2	0.991	0.969	1.001	0.063	0.969	0.000	-0.008	-0.45	0.02
61	19.000	1.028	1064.45	1402.3	530.1	81.1	0.994	0.973	1.001	0.056	0.973	0.001	-0.007	-0.41	0.04
62	19.500	1.027	1064.30	1402.4	530.0	81.2	0.999	0.977	1.001	0.048	0.977	0.000	-0.006	-0.34	0.03
63	20.000	1.027	1064.17	1403.3	530.4	81.1	1.004	0.981	1.001	0.039	0.981	0.001	-0.005	-0.28	0.04
64	20.500	1.026	1064.75	1402.5	530.2	81.4	1.013	0.988	1.001	0.026	0.988	0.001	-0.003	-0.17	0.04
65	21.000	1.029	1065.42	1403.6	531.0	81.2	1.021	0.993	1.000	0.013	0.993	0.001	-0.001	-0.06	0.04
66	21.500	1.029	1065.26	1402.7	530.6	81.2	1.029	1.000	1.001	0.001	1.000	0.001	0.001	0.04	0.05
67	22.000	1.028	1064.59	1401.8	529.9	81.4	1.038	1.009	1.000	-0.017	1.009	0.001	0.003	0.17	0.04
68	22.500	1.028	1064.99	1404.7	531.1	81.4	1.048	1.016	1.000	-0.033	1.016	0.001	0.006	0.33	0.05
69	23.000	1.026	1063.60	1405.3	530.6	81.6	1.036	1.008	1.000	-0.016	1.008	0.001	0.005	0.27	0.04
70	23.500	1.026	1063.62	1404.0	530.2	81.5	1.018	0.993	1.001	0.014	0.993	0.001	0.002	0.12	0.05
71	24.000	1.026	1063.27	1403.7	530.0	81.4	1.014	0.990	1.000	0.020	0.990	0.000	0.001	0.06	0.03

TEST PART PEX10-6 ALPHA 5.01 WING 44 WING YF 10.00 -10.00 RUN SURVEY S-502 DATE 2-3-77 AEDC PROPULSION WIND TUNNEL TRANSONIC 4E

POINT	XT	W	VM	PT	Q	TT	ML	VML/VH	PTL/PT	CPL	UT/VH	VT/VH	WT/VH	AATL	SWTL
3	-6.000	1.021	1059.32	1403.4	528.0	81.4	0.989	0.974	1.001	0.053	0.974	0.001	0.008	0.48	0.07
4	-5.500	1.021	1059.01	1402.8	527.7	81.2	0.988	0.973	1.002	0.056	0.973	0.001	0.002	0.12	0.06
5	-5.000	1.022	1059.92	1403.4	528.3	81.2	0.990	0.973	1.000	0.054	0.973	0.001	0.002	0.10	0.05
6	-4.500	1.022	1059.66	1403.1	528.1	81.2	0.989	0.973	1.001	0.055	0.973	0.001	0.002	0.10	0.04
7	-4.000	1.022	1059.71	1403.0	528.1	81.3	0.990	0.974	1.001	0.054	0.974	0.001	0.002	0.10	0.04
8	-3.500	1.022	1060.05	1404.6	528.9	81.2	0.990	0.973	1.000	0.054	0.973	0.001	0.001	0.08	0.04
9	-3.000	1.022	1059.64	1401.9	527.7	81.3	0.987	0.971	1.001	0.060	0.971	0.001	0.001	0.07	0.04
10	-2.500	1.023	1060.47	1403.5	528.6	81.3	0.991	0.974	1.001	0.053	0.974	0.001	0.001	0.07	0.07
11	-2.000	1.022	1060.08	1403.5	528.5	81.2	0.992	0.975	1.001	0.052	0.975	0.001	0.001	0.07	0.08
12	-1.500	1.023	1060.72	1403.2	528.6	81.3	0.987	0.971	1.001	0.060	0.971	0.001	0.001	0.04	0.06
13	-1.000	1.022	1059.94	1402.1	527.8	81.4	0.983	0.968	1.001	0.054	0.968	0.002	-0.000	-0.00	0.10
14	-0.500	1.023	1060.28	1403.1	528.8	81.2	0.983	0.968	1.001	0.066	0.968	0.002	-0.000	-0.02	0.13
15	0.000	1.023	1060.42	1403.5	529.3	81.3	0.981	0.965	1.001	0.069	0.965	0.003	-0.001	-0.08	0.16
16	0.500	1.022	1059.32	1402.8	527.9	81.0	0.979	0.965	1.001	0.073	0.965	0.003	-0.002	-0.04	0.17
17	1.000	1.022	1059.99	1403.6	527.7	81.2	0.980	0.966	1.001	0.071	0.966	0.004	-0.002	-0.14	0.22
18	1.500	1.023	1061.03	1403.8	528.9	81.4	0.982	0.966	1.001	0.069	0.966	0.004	-0.003	-0.24	0.24
19	2.000	1.023	1060.64	1404.2	528.9	81.5	0.982	0.967	1.001	0.068	0.967	0.005	-0.004	-0.21	0.27
20	2.500	1.023	1060.94	1404.6	529.2	81.3	0.983	0.967	1.001	0.066	0.967	0.005	-0.004	-0.25	0.29
21	3.000	1.022	1059.92	1403.4	528.3	81.2	0.984	0.969	1.001	0.064	0.969	0.006	-0.006	-0.31	0.33
22	3.500	1.022	1060.05	1402.5	528.1	81.2	0.985	0.969	1.001	0.064	0.969	0.006	-0.006	-0.36	0.36
23	4.000	1.023	1060.62	1403.2	528.7	81.1	0.987	0.971	1.001	0.060	0.971	0.007	-0.006	-0.37	0.39
24	4.500	1.023	1060.28	1403.7	528.6	81.2	0.989	0.972	1.001	0.057	0.972	0.007	-0.007	-0.41	0.40
25	5.000	1.023	1060.20	1402.6	528.1	81.3	0.986	0.970	1.001	0.052	0.970	0.007	-0.007	-0.44	0.42
26	5.500	1.022	1060.00	1402.6	528.1	81.2	0.988	0.972	1.001	0.058	0.972	0.007	-0.007	-0.42	0.43
27	6.000	1.024	1061.36	1402.7	528.7	81.3	0.989	0.971	1.001	0.059	0.971	0.007	-0.007	-0.42	0.41
28	6.500	1.024	1061.56	1402.9	528.9	81.3	0.992	0.974	1.001	0.054	0.974	0.007	-0.007	-0.44	0.42
29	7.000	1.024	1061.08	1403.7	529.1	81.1	0.996	0.978	1.001	0.046	0.978	0.007	-0.008	-0.44	0.39
30	7.500	1.023	1060.78	1403.7	528.9	81.1	0.999	0.980	1.001	0.041	0.980	0.006	-0.007	-0.42	0.38
31	8.000	1.023	1060.97	1403.5	528.8	81.3	1.004	0.985	1.001	0.032	0.984	0.006	-0.007	-0.43	0.36
32	8.500	1.023	1060.78	1403.7	528.8	81.3	1.008	0.988	1.001	0.026	0.988	0.005	-0.006	-0.38	0.31
33	9.000	1.024	1061.14	1404.0	529.2	81.1	1.010	0.989	1.000	0.023	0.989	0.005	-0.006	-0.34	0.30
34	9.500	1.024	1061.16	1402.7	528.6	81.3	1.011	0.990	1.001	0.022	0.990	0.004	-0.005	-0.26	0.24
35	10.000	1.025	1062.18	1403.7	529.6	81.1	1.016	0.992	1.000	0.016	0.992	0.003	-0.004	-0.21	0.20
36	10.500	1.024	1061.13	1403.8	529.1	81.1	1.020	0.997	1.001	0.008	0.997	0.003	-0.002	-0.10	0.17
37	11.000	1.023	1060.41	1403.0	528.4	81.2	1.025	1.001	1.001	-0.002	1.001	0.002	-0.001	-0.07	0.12
38	11.500	1.024	1061.51	1403.0	528.9	81.3	1.030	1.005	1.001	-0.009	1.005	0.001	0.001	0.03	0.04
39	12.000	1.025	1061.87	1403.5	529.3	81.2	1.020	0.997	1.001	0.008	0.997	0.001	0.000	0.02	0.08
40	12.500	1.025	1062.22	1403.0	529.3	81.1	0.981	0.964	1.001	0.073	0.964	0.005	-0.003	-0.17	0.28
41	13.000	1.026	1062.69	1404.5	530.1	81.1	0.961	0.947	1.000	0.106	0.947	0.007	-0.004	-0.26	0.40
42	13.500	1.025	1061.97	1403.1	529.2	81.2	0.944	0.934	1.001	0.134	0.934	0.007	-0.005	-0.32	0.43
43	14.000	1.025	1062.10	1402.4	529.0	81.2	0.960	0.946	1.001	0.109	0.946	0.008	-0.006	-0.37	0.48
44	14.500	1.025	1062.35	1402.5	529.1	81.4	0.962	0.949	1.001	0.103	0.949	0.009	-0.007	-0.40	0.52
45	15.000	1.024	1064.86	1405.6	531.4	81.4	0.966	0.950	1.000	0.101	0.950	0.009	-0.007	-0.45	0.56
46	15.500	1.027	1064.06	1405.8	531.1	81.4	0.970	0.953	1.001	0.095	0.953	0.009	-0.008	-0.48	0.57

AD-A062 273

NIELSEN ENGINEERING AND RESEARCH INC MOUNTAIN VIEW CALIF F/G 1/3
DATA REPORT FOR A TEST PROGRAM TO STUDY TRANSONIC FLOW FIELDS A--ETC(U)
JUL 77 S C PERKINS, S S STAHARA, M J HEMSCH F44620-75-C-0047

UNCLASSIFIED

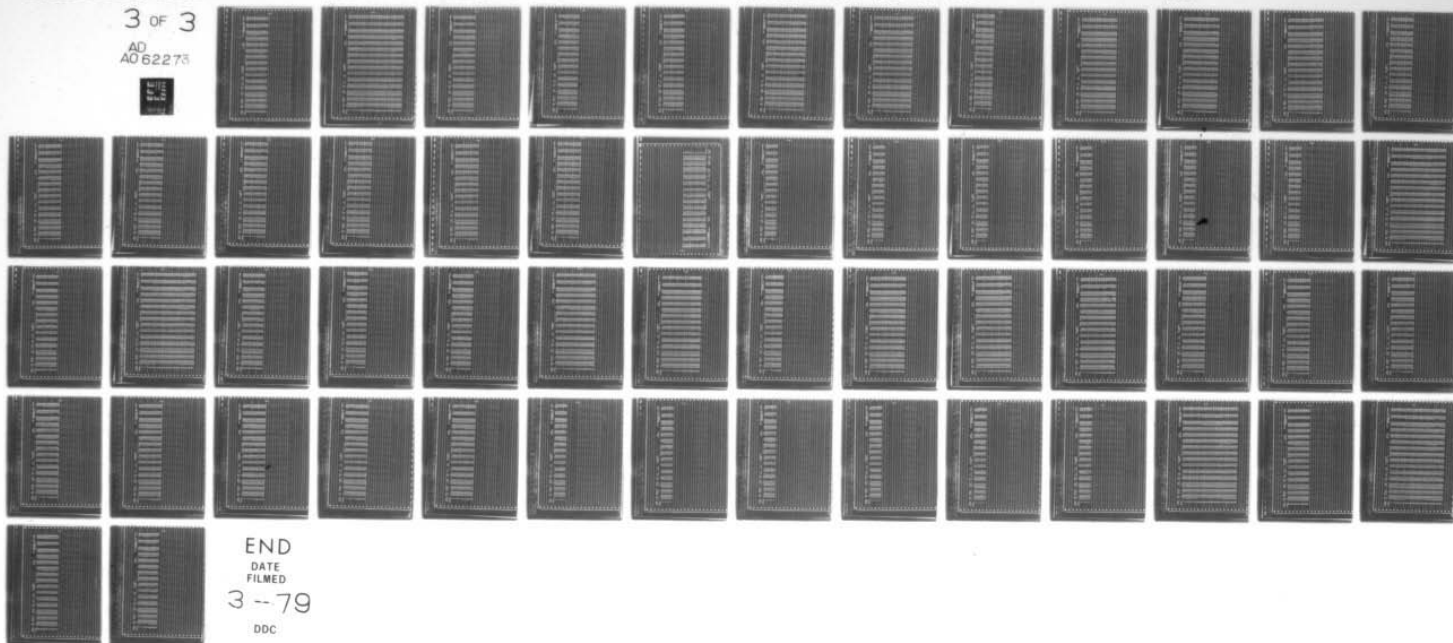
NEAR-TR-138-VOL-4

AFOSR-TR-78-1488

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TEST PART RFX10-6 ALPHA WING YT ZT RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 304 2.996 5.01 49 10.00 -10.00 5-502 2-3-77 TRANSONIC AT

POINT	KT	P	VA	PT	Q	YT	HL	VHL/VH	PTL/PT	CPL	UT/VH	VI/VH	WT/VH	AATL	SWTL
47	16.000	1.028	1064.59	1404.3	530.8	91.4	0.973	0.956	1.001	0.091	0.956	0.011	-0.008	-0.51	0.63
48	16.500	1.028	1065.43	1404.2	531.1	91.5	0.977	0.958	1.001	0.085	0.958	0.011	-0.009	-0.54	0.59
49	17.000	1.028	1064.92	1403.6	530.7	91.4	0.981	0.962	1.001	0.078	0.962	0.012	-0.009	-0.53	0.59
50	17.500	1.029	1065.23	1403.8	531.1	91.1	0.986	0.965	1.001	0.071	0.965	0.012	-0.009	-0.53	0.59
51	18.000	1.028	1064.61	1402.8	530.3	91.2	0.990	0.970	1.001	0.062	0.969	0.012	-0.009	-0.51	0.71
52	18.500	1.029	1066.06	1402.7	530.9	91.3	0.997	0.974	1.001	0.054	0.973	0.012	-0.008	-0.48	0.78
53	19.000	1.028	1064.67	1403.3	530.6	91.2	1.005	0.981	1.001	0.039	0.961	0.012	-0.007	-0.38	0.67
54	19.500	1.024	1063.41	1402.8	529.8	91.2	1.013	0.989	1.001	0.023	0.989	0.011	-0.005	-0.31	0.66
55	20.000	1.027	1063.76	1402.7	530.0	91.0	1.023	0.997	1.001	0.008	0.997	0.011	-0.003	-0.16	0.61
56	20.500	1.027	1063.51	1402.8	529.9	91.0	1.036	1.007	1.001	-0.013	1.007	0.010	-0.001	-0.04	0.58
57	21.000	1.027	1063.86	1402.7	530.0	91.1	1.047	1.016	1.001	-0.031	1.016	0.009	0.002	0.19	0.51
58	21.500	1.026	1063.29	1402.0	529.5	91.1	1.060	1.027	1.001	-0.053	1.027	0.008	0.005	0.29	0.48
59	22.000	1.027	1063.91	1402.8	530.1	91.1	1.074	1.038	1.000	-0.075	1.037	0.007	0.009	0.47	0.40
60	22.500	1.028	1064.84	1404.4	531.1	91.2	1.046	1.014	1.000	-0.029	1.014	0.010	0.005	0.28	0.57
61	23.000	1.026	1063.41	1402.8	529.8	91.2	1.010	0.987	1.000	0.027	0.987	0.012	0.000	0.33	0.73
62	23.500	1.025	1061.89	1401.6	528.7	91.2	1.009	0.966	1.001	0.029	0.966	0.012	-0.001	-0.06	0.71
63	24.000	1.026	1063.34	1402.1	529.4	91.3	1.007	0.984	1.001	0.033	0.984	0.012	-0.001	-0.06	0.69

TEST TC-464 PART RX10-6 305 2.994 ALPHA 5.01 WING 48 YR 14.14 2T 0.00 RUN SURVEY 5-503 DATE 2-3-77 AEDC PROPUSSION WIND TUNNEL TRANSONIC 4T

POINT	XT	M	VM	PT	O	TT	ML	YML/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SWTL
2	-6.000	1.021	1059.80	1403.6	527.4	81.4	0.991	0.976	1.002	0.051	0.974	0.001	0.002	0.13	0.07
3	-5.500	1.023	1060.34	1403.0	528.8	81.1	0.991	0.974	1.001	0.053	0.974	0.000	0.004	0.22	0.02
4	-5.000	1.021	1059.02	1403.4	527.6	81.2	0.989	0.974	1.002	0.054	0.974	0.000	0.004	0.23	0.01
5	-4.500	1.023	1059.04	1403.1	527.3	81.4	0.987	0.972	1.002	0.058	0.972	0.000	0.003	0.20	0.02
6	-4.000	1.023	1060.90	1403.2	528.4	81.2	0.989	0.972	1.001	0.058	0.972	0.000	0.004	0.21	0.02
7	-3.500	1.024	1060.81	1403.8	528.6	81.0	0.989	0.972	1.001	0.057	0.972	0.000	0.004	0.22	0.02
8	-3.000	1.023	1061.13	1404.0	529.1	81.4	0.988	0.971	1.000	0.059	0.971	0.000	0.004	0.24	0.02
9	-2.500	1.024	1061.78	1403.9	529.3	81.4	0.989	0.972	1.001	0.059	0.972	0.000	0.004	0.24	0.03
10	-2.000	1.023	1061.09	1404.3	529.2	81.4	0.989	0.972	1.001	0.057	0.972	0.001	0.004	0.22	0.04
11	-1.500	1.024	1061.33	1403.4	529.0	81.2	0.985	0.968	1.001	0.065	0.968	0.001	0.004	0.22	0.04
12	-1.000	1.024	1061.07	1403.9	528.8	81.1	0.983	0.967	1.001	0.067	0.967	0.002	0.004	0.22	0.10
13	-0.500	1.023	1060.12	1403.0	528.3	81.2	0.983	0.967	1.001	0.067	0.967	0.003	0.003	0.20	0.15
14	0.000	1.024	1060.84	1403.6	529.0	80.9	0.981	0.965	1.001	0.071	0.965	0.004	0.003	0.19	0.22
15	0.500	1.024	1061.66	1403.9	528.9	81.3	0.981	0.965	1.001	0.071	0.965	0.004	0.003	0.17	0.26
16	1.000	1.024	1061.66	1403.9	528.9	81.4	0.982	0.966	1.001	0.071	0.966	0.005	0.003	0.17	0.31
17	1.500	1.024	1061.73	1404.0	529.3	81.4	0.982	0.965	1.001	0.071	0.965	0.005	0.003	0.18	0.37
18	2.000	1.024	1061.45	1405.0	529.6	81.4	0.981	0.965	1.001	0.070	0.965	0.007	0.003	0.16	0.44
19	2.500	1.025	1062.57	1403.5	529.6	81.4	0.981	0.964	1.001	0.075	0.964	0.008	0.003	0.15	0.48
20	3.000	1.023	1060.96	1403.5	529.6	81.4	0.981	0.965	1.001	0.071	0.965	0.009	0.003	0.16	0.55
21	3.500	1.024	1061.30	1403.3	529.2	81.4	0.983	0.967	1.001	0.069	0.966	0.010	0.003	0.17	0.59
22	4.000	1.026	1063.08	1403.5	529.6	81.4	0.983	0.965	1.001	0.071	0.965	0.010	0.003	0.15	0.60
23	4.500	1.025	1062.12	1403.8	529.1	81.4	0.987	0.970	1.002	0.063	0.969	0.010	0.002	0.12	0.62
24	5.000	1.024	1061.78	1403.3	529.1	81.3	0.988	0.970	1.001	0.061	0.970	0.011	0.002	0.14	0.63
25	5.500	1.026	1062.80	1404.3	530.1	81.1	0.988	0.969	1.001	0.063	0.969	0.011	0.002	0.14	0.65
26	6.000	1.025	1062.63	1403.4	529.6	81.3	0.991	0.972	1.001	0.057	0.972	0.011	0.002	0.13	0.65
27	6.500	1.026	1062.82	1403.8	529.5	81.3	0.994	0.974	1.001	0.053	0.974	0.011	0.002	0.13	0.62
28	7.000	1.025	1062.38	1403.1	529.4	81.1	0.997	0.977	1.001	0.048	0.977	0.010	0.002	0.14	0.59
29	7.500	1.025	1062.18	1403.3	529.5	81.0	0.999	0.978	1.001	0.044	0.978	0.009	0.002	0.14	0.53
30	8.000	1.026	1062.38	1403.3	529.6	80.9	1.004	0.982	1.002	0.036	0.982	0.008	0.003	0.17	0.49
31	8.500	1.027	1063.53	1403.0	530.0	80.9	1.008	0.985	1.001	0.032	0.985	0.007	0.003	0.19	0.52
32	9.000	1.026	1062.76	1403.3	529.4	81.0	1.014	0.990	1.001	0.022	0.990	0.006	0.003	0.20	0.57
33	9.500	1.027	1063.81	1403.4	529.8	81.0	1.019	0.993	1.001	0.015	0.993	0.006	0.003	0.19	0.53
34	10.000	1.026	1063.18	1403.1	529.6	81.2	1.023	0.998	1.001	0.006	0.998	0.005	0.003	0.18	0.56
36	10.500	1.027	1063.56	1403.9	529.6	81.1	1.030	1.003	1.001	-0.004	1.003	0.003	0.003	0.18	0.56
37	11.000	1.027	1063.53	1403.4	530.2	81.0	1.036	1.008	1.001	-0.014	1.008	0.002	0.003	0.16	0.59
38	11.500	1.027	1063.68	1403.9	530.1	80.8	1.040	1.011	1.001	-0.020	1.011	-0.000	0.003	0.18	0.59
39	12.000	1.028	1064.40	1403.7	530.8	80.9	1.043	1.012	1.000	-0.024	1.012	-0.003	0.004	0.22	-0.03
40	12.500	1.027	1063.63	1403.0	530.0	81.0	1.021	0.995	1.000	0.010	0.995	-0.000	0.005	0.28	-0.03
41	13.000	1.027	1063.58	1403.0	530.0	81.0	1.021	0.995	1.000	0.010	0.995	-0.000	0.005	0.28	-0.03
42	13.500	1.027	1064.44	1403.8	530.7	81.1	0.982	0.946	1.001	0.090	0.946	0.005	0.007	0.39	0.32
43	14.000	1.027	1063.53	1403.2	530.1	81.0	0.981	0.946	1.000	0.108	0.946	0.007	0.007	0.44	0.43
44	14.500	1.027	1063.82	1403.6	529.9	81.2	0.984	0.946	1.001	0.109	0.946	0.009	0.008	0.45	0.48
45	15.000	1.027	1063.69	1403.5	530.3	81.1	0.970	0.953	1.001	0.095	0.948	0.009	0.008	0.47	0.53
46	15.500	1.027	1063.48	1403.1	530.0	81.1	0.972	0.956	1.001	0.090	0.956	0.010	0.009	0.51	0.60

TEST PART REX10-6 ALPHA WING YT ZT RUN SURVEY DATE AEDC PROPUSSION WIND TUNNEL
 IC-484 305 2.994 5.01 48 14.14 0.00 5-503 2-3-77 TRANSONIC 4T

POINT	XT	M	VM	PI	Q	TT	ML	VML/VW	PJL/PT	CPL	UT/VW	VT/VW	WT/VW	AATL	SWTL
47	16.000	1.028	1064.56	1403.5	530.6	81.2	0.974	0.960	1.001	0.082	0.959	0.012	0.010	0.58	0.70
48	16.500	1.027	1063.88	1403.1	530.2	81.1	0.983	0.964	1.001	0.073	0.964	0.012	0.010	0.51	0.73
49	17.000	1.027	1063.63	1402.8	530.0	80.9	0.992	0.971	1.001	0.058	0.971	0.012	0.011	0.64	0.68
50	17.500	1.026	1063.25	1401.9	529.3	81.3	1.003	0.981	1.001	0.039	0.981	0.010	0.012	0.70	0.61
51	18.000	1.026	1063.47	1402.9	529.8	81.3	1.018	0.993	1.001	0.015	0.993	0.008	0.013	0.75	0.46
52	18.500	1.024	1064.64	1403.8	530.7	81.3	1.037	1.008	1.001	-0.014	1.008	0.004	0.015	0.83	0.23
53	19.000	1.027	1063.89	1403.7	530.4	81.1	1.058	1.025	1.000	-0.048	1.024	-0.001	0.016	0.90	-0.04
54	19.500	1.027	1063.63	1403.2	530.1	81.0	1.077	1.040	1.000	-0.080	1.040	-0.005	0.018	1.01	-0.30
55	20.000	1.026	1063.22	1402.8	529.7	81.2	1.095	1.055	1.000	-0.109	1.054	-0.011	0.020	1.10	-0.59
56	20.500	1.028	1064.64	1403.6	530.7	81.1	1.113	1.057	0.999	-0.135	1.066	-0.017	0.023	1.21	-0.90
57	21.000	1.027	1063.95	1404.2	530.6	81.2	1.126	1.078	0.999	-0.156	1.077	-0.022	0.024	1.28	-1.16
58	21.500	1.026	1063.26	1402.3	529.5	81.2	1.047	1.017	0.999	-0.035	1.017	-0.006	0.022	1.26	-0.36
59	22.000	1.026	1063.31	1402.4	529.5	81.3	1.004	0.982	1.000	0.035	0.982	0.001	0.021	1.23	0.08
60	22.500	1.024	1064.60	1401.8	529.9	81.4	1.009	0.985	1.001	0.031	0.985	0.001	0.021	1.24	0.01
61	23.000	1.024	1064.60	1404.9	531.1	81.2	1.008	0.984	1.000	0.032	0.984	0.000	0.022	1.26	0.01
62	23.500	1.027	1064.52	1403.0	530.3	81.4	1.000	0.978	1.001	0.045	0.978	-0.002	0.022	1.29	-0.10
63	24.000	1.026	1064.68	1403.9	530.7	81.4	0.991	0.970	1.000	0.060	0.970	-0.003	0.023	1.27	-0.20

TEST PART REX10-6 ALPHA WING YR 2T RUN SURVEY DATE 2-3-77 AEDC PROPELLION WIND TUNNEL
 TC-484 306 3.005 5.01 48 -10.00 -10.00 5-504 TRANSONIC 4T

POINT	IT	M	V ₀	PT	Q	IT	ML	VNL/VN	PTL/PT	CPL	UT/VN	V7/VN	WT/VN	ANTL	SNL
2	-5.000	1.026	102.91	1404.9	530.4	81.1	0.991	0.971	1.000	0.037	0.971	0.000	0.003	0.20	0.01
3	-4.000	1.025	102.53	1403.2	529.5	81.3	0.991	0.973	1.001	0.056	0.973	0.000	0.006	0.25	0.03
4	-2.000	1.025	102.92	1403.0	529.1	81.2	0.991	0.973	1.000	0.055	0.973	0.000	0.006	0.23	0.02
5	0.000	1.025	103.70	1401.6	528.6	81.0	0.990	0.964	1.001	0.074	0.964	-0.002	0.003	0.21	-0.09
6	2.000	1.024	103.06	1402.3	528.4	81.1	0.982	0.966	1.001	0.069	0.966	-0.004	0.001	0.05	-0.21
7	4.000	1.024	103.02	1402.8	528.6	81.0	0.985	0.969	1.001	0.064	0.969	-0.006	-0.002	-0.14	-0.34
8	6.000	1.023	103.06	1402.0	528.3	81.1	0.987	0.970	1.001	0.062	0.970	-0.006	-0.004	-0.22	-0.30
9	8.000	1.024	104.20	1401.8	528.5	80.9	1.002	0.982	1.001	0.038	0.982	-0.005	-0.003	-0.19	-0.31
10	10.000	1.025	102.23	1403.4	529.5	81.0	1.017	0.993	1.001	0.014	0.993	-0.003	0.000	0.00	-0.16
11	12.000	1.025	103.11	1402.6	529.2	81.0	1.026	1.000	1.001	0.000	1.000	-0.000	0.004	0.23	-0.02
12	14.000	1.027	103.78	1403.3	530.2	81.1	0.994	0.949	1.001	0.104	0.949	-0.007	-0.002	-0.13	-0.44
13	16.000	1.027	104.14	1404.2	530.7	81.1	0.973	0.956	1.001	0.090	0.956	-0.010	-0.005	-0.29	-0.63
14	18.000	1.028	104.60	1402.2	530.1	81.3	0.992	0.971	1.001	0.060	0.971	-0.012	-0.006	-0.33	-0.70
15	20.000	1.028	104.94	1402.5	530.5	81.0	1.025	0.997	1.000	0.006	0.997	-0.011	-0.000	-0.02	-0.61
16	22.000	1.026	103.05	1404.4	530.3	80.9	1.075	1.039	1.000	-0.078	1.039	-0.007	0.012	0.44	-0.40
17	24.000	1.028	104.40	1402.2	530.1	81.1	1.013	0.998	1.001	0.624	0.986	-0.011	0.004	0.23	-0.65

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY
 XC-484 376 2.997 -2.00 48 0.00 -5.00 4-301

DATE 2-3-77
 AEDC PROPULSION WIND TUNNEL
 TRANSONIC AT

POINT	X	H	YH	PT	Q	IT	ML	YML/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SML
9	9.000	1.022	1049.27	1366.4	514.4	70.4	1.103	1.064	1.000	-0.128	1.064	0.000	-0.026	-1.40	0.01
10	9.666	1.022	1049.44	1367.1	514.8	70.4	1.113	1.071	1.000	-0.142	1.071	0.000	-0.023	-1.22	0.01
11	10.333	1.023	1049.89	1368.8	514.9	70.4	1.099	1.060	1.000	-0.120	1.060	-0.000	-0.024	-1.31	-0.01
12	11.000	1.025	1051.51	1366.2	515.4	70.4	1.064	1.031	1.000	-0.082	1.031	-0.000	-0.028	-1.57	-0.02
13	11.666	1.025	1051.91	1368.5	516.4	70.5	1.008	0.986	1.000	0.037	0.986	-0.001	-0.035	-2.08	-0.03
14	12.333	1.026	1052.25	1368.2	516.4	70.5	0.994	0.974	1.001	0.052	0.974	-0.001	-0.037	-2.19	-0.04
15	13.000	1.025	1051.51	1366.2	515.4	70.4	0.993	0.974	1.001	0.054	0.973	-0.000	-0.035	-2.07	-0.03
16	13.666	1.024	1051.12	1364.9	514.7	70.4	0.995	0.976	1.001	0.050	0.975	-0.001	-0.032	-1.87	-0.03
17	14.333	1.029	1054.98	1367.0	517.3	70.4	1.003	0.979	1.001	0.043	0.978	-0.000	-0.028	-1.62	-0.02
18	15.000	1.030	1055.46	1368.5	518.1	70.4	1.009	0.984	1.000	0.033	0.983	-0.000	-0.023	-1.35	-0.01
19	15.666	1.027	1053.93	1366.4	516.1	70.4	1.014	0.990	1.001	0.021	0.989	-0.000	-0.018	-1.03	0.03
20	16.333	1.027	1053.54	1365.2	516.3	70.5	1.028	1.000	1.001	0.001	1.000	0.001	-0.013	-0.76	0.04
21	17.000	1.028	1054.33	1367.7	517.3	70.4	1.041	1.010	1.000	-0.020	1.010	0.001	-0.009	-0.49	0.08
22	17.666	1.028	1054.38	1368.0	517.4	70.5	1.053	1.027	1.000	-0.058	1.027	0.001	-0.002	-0.12	0.08
23	18.333	1.030	1055.63	1366.9	517.5	70.6	1.087	1.045	1.001	-0.090	1.045	0.001	0.004	0.24	0.07
24	19.000	1.029	1055.13	1367.3	517.4	70.5	1.117	1.069	0.999	-0.139	1.069	0.002	0.012	0.67	0.09

TEST PART		REF10-6	ALFA	WING	Y	Z	RUN	SUPPLY	DATE		AEDC PROPELLSION WIND TUNNEL									
IC-484		360	2.998	-2.00	48	0.00	-2.00	4-005	3-3-77		TRANSONIC 47									
POINT	X	Y	Z	W	PT	Q	TX	ML	YML/VN	PTL/PI	CPL	UL/VN	YL/VN	WL/VN	AAL	SNL				
2	9.000	1.024	1050.79	1366.0	515.0	70.3	1.101	1.061	0.999	-0.122	1.060	-0.007	-0.030	-0.030	-1.63	-0.40				
3	9.333	1.025	1051.44	1367.1	515.8	70.3	1.125	1.078	0.999	-0.122	1.078	-0.007	-0.030	-0.030	-1.63	-0.40				
4	9.666	1.026	1052.37	1368.1	515.7	70.4	1.101	1.052	0.999	-0.122	1.052	-0.007	-0.030	-0.030	-1.63	-0.40				
5	10.000	1.025	1051.22	1366.0	515.5	70.3	1.091	1.052	0.999	-0.106	1.052	-0.007	-0.030	-0.030	-1.63	-0.40				
6	10.333	1.025	1051.47	1367.1	515.7	70.4	1.058	1.026	1.000	-0.093	1.026	-0.007	-0.030	-0.030	-1.63	-0.40				
7	10.666	1.025	1051.99	1367.5	516.0	70.4	1.032	1.005	1.000	-0.011	1.005	-0.007	-0.030	-0.030	-1.63	-0.40				
8	11.000	1.023	1050.13	1365.9	514.6	70.4	1.013	0.991	1.000	0.018	0.991	-0.007	-0.030	-0.030	-1.63	-0.40				
9	11.333	1.024	1050.74	1365.9	514.9	70.4	1.007	0.986	1.001	0.029	0.986	-0.007	-0.030	-0.030	-1.63	-0.40				
10	11.666	1.025	1051.49	1367.7	515.9	70.4	1.006	0.984	1.000	0.031	0.984	-0.007	-0.030	-0.030	-1.63	-0.40				
11	12.000	1.026	1052.00	1367.5	516.3	70.5	1.005	0.983	1.001	0.035	0.983	-0.007	-0.030	-0.030	-1.63	-0.40				
12	12.333	1.025	1051.49	1367.9	516.0	70.5	1.003	0.983	1.001	0.036	0.983	-0.007	-0.030	-0.030	-1.63	-0.40				
13	12.666	1.025	1051.90	1365.8	515.3	70.4	1.001	0.981	1.001	0.041	0.980	-0.007	-0.030	-0.030	-1.63	-0.40				
14	13.000	1.025	1051.99	1367.3	516.0	70.4	1.002	0.981	1.000	0.038	0.981	-0.007	-0.030	-0.030	-1.63	-0.40				
15	13.333	1.027	1052.95	1367.4	516.5	70.5	1.003	0.981	1.001	0.040	0.980	-0.007	-0.030	-0.030	-1.63	-0.40				
16	13.666	1.024	1052.31	1367.9	516.5	70.5	1.006	0.984	1.001	0.033	0.983	-0.007	-0.030	-0.030	-1.63	-0.40				
17	14.000	1.026	1052.74	1366.0	516.2	70.3	1.006	0.983	1.001	0.035	0.983	-0.007	-0.030	-0.030	-1.63	-0.40				
18	14.333	1.026	1052.35	1365.1	515.4	70.3	1.008	0.986	1.001	0.030	0.985	-0.007	-0.030	-0.030	-1.63	-0.40				
19	14.666	1.026	1052.28	1366.9	516.0	70.5	1.016	0.982	1.001	0.016	0.982	-0.007	-0.030	-0.030	-1.63	-0.40				
20	15.000	1.027	1053.20	1367.3	516.5	70.5	1.023	0.987	1.001	0.008	0.986	-0.007	-0.030	-0.030	-1.63	-0.40				
21	15.333	1.026	1052.34	1367.6	516.3	70.5	1.024	0.988	1.001	0.005	0.988	-0.007	-0.030	-0.030	-1.63	-0.40				
22	15.666	1.027	1053.45	1368.8	516.5	70.5	1.028	1.001	1.001	-0.000	1.001	-0.007	-0.030	-0.030	-1.63	-0.40				
23	16.000	1.027	1052.98	1366.5	516.2	70.4	1.036	1.007	1.000	-0.014	1.007	-0.007	-0.030	-0.030	-1.63	-0.40				
24	16.333	1.027	1053.67	1367.8	517.0	70.4	1.044	1.014	1.000	-0.027	1.014	-0.007	-0.030	-0.030	-1.63	-0.40				
25	16.666	1.024	1052.70	1367.7	516.5	70.5	1.054	1.032	1.001	-0.044	1.022	-0.007	-0.030	-0.030	-1.63	-0.40				
26	17.000	1.027	1053.26	1366.9	516.4	70.4	1.070	1.034	1.001	-0.068	1.034	-0.007	-0.030	-0.030	-1.63	-0.40				
27	17.333	1.025	1051.96	1365.9	515.4	70.5	1.088	1.050	1.001	-0.098	1.050	-0.007	-0.030	-0.030	-1.63	-0.40				
28	17.666	1.027	1053.31	1367.5	516.6	70.5	1.106	1.062	1.000	-0.124	1.062	-0.007	-0.030	-0.030	-1.63	-0.40				
29	18.000	1.026	1052.33	1367.0	516.0	70.5	1.123	1.078	1.000	-0.152	1.078	-0.007	-0.030	-0.030	-1.63	-0.40				
30	18.333	1.027	1053.26	1367.4	516.6	70.5	1.136	1.098	0.999	-0.170	1.085	-0.007	-0.030	-0.030	-1.63	-0.40				
31	18.666	1.026	1052.54	1367.2	516.2	70.4	1.130	1.081	0.999	-0.163	1.081	-0.007	-0.030	-0.030	-1.63	-0.40				
32	19.000	1.025	1051.47	1367.1	515.7	70.5	1.050	1.020	0.999	-0.042	1.020	-0.007	-0.030	-0.030	-1.63	-0.40				

TEST PART DEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 JC-484 381 2.997 -2.00 4% 0.00 -2.00 4-486 2-3-77 TRANSONIC 4T

POINT	X	M	VP	PT	Q	TT	ML	VML/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
1	9.000	1.021	1048.42	1366.9	514.2	70.5	1.090	1.055	0.999	-0.111	1.055	0.003	-0.028	-1.50	0.14
2	9.333	1.022	1049.24	1367.3	515.7	70.5	1.085	1.050	1.000	-0.100	1.050	0.003	-0.027	-1.45	0.16
3	9.666	1.024	1050.82	1367.4	515.5	70.5	1.078	1.043	0.999	-0.087	1.043	0.003	-0.025	-1.39	0.15
4	10.000	1.024	1050.81	1367.2	515.4	70.4	1.075	1.041	1.000	-0.082	1.041	0.003	-0.025	-1.36	0.15
5	10.333	1.024	1051.12	1367.4	515.7	70.4	1.070	1.036	1.000	-0.072	1.036	0.003	-0.023	-1.30	0.14
6	10.666	1.025	1051.72	1366.8	515.7	70.5	1.060	1.038	1.001	-0.054	1.037	0.002	-0.023	-1.31	0.13
7	11.000	1.025	1051.56	1366.3	515.4	70.4	1.046	1.017	1.001	-0.033	1.017	0.002	-0.023	-1.31	0.11
8	11.333	1.027	1053.37	1367.2	515.6	70.4	1.040	1.011	1.000	-0.021	1.010	0.002	-0.023	-1.28	0.11
9	11.666	1.024	1051.08	1367.3	515.6	70.5	1.040	1.013	1.001	-0.024	1.012	0.002	-0.022	-1.23	0.12
10	12.000	1.025	1051.50	1367.7	515.9	70.5	1.040	1.012	1.001	-0.023	1.012	0.002	-0.020	-1.15	0.09
11	12.333	1.026	1052.16	1367.8	515.2	70.5	1.041	1.012	1.001	-0.023	1.012	0.002	-0.019	-1.07	0.10
12	12.666	1.025	1051.78	1366.5	515.6	70.4	1.039	1.011	1.001	-0.020	1.011	0.002	-0.017	-0.99	0.11
13	13.000	1.026	1052.35	1366.8	516.0	70.4	1.042	1.013	1.001	-0.025	1.013	0.002	-0.015	-0.87	0.10
14	13.333	1.027	1053.28	1367.8	516.8	70.5	1.045	1.015	1.001	-0.028	1.015	0.002	-0.014	-0.77	0.12
15	13.666	1.027	1052.92	1367.7	516.6	70.4	1.050	1.019	1.001	-0.037	1.019	0.002	-0.012	-0.68	0.13
16	14.000	1.026	1052.04	1366.8	515.9	70.4	1.053	1.022	1.001	-0.043	1.022	0.002	-0.010	-0.59	0.12
17	14.333	1.027	1053.21	1366.9	516.4	70.4	1.058	1.025	1.001	-0.049	1.025	0.002	-0.010	-0.54	0.13
18	14.666	1.026	1052.76	1367.0	516.2	70.5	1.062	1.029	1.001	-0.056	1.029	0.003	-0.007	-0.42	0.15
19	15.000	1.027	1053.38	1367.6	516.7	70.5	1.068	1.033	1.001	-0.064	1.033	0.003	-0.006	-0.33	0.14
20	15.333	1.026	1052.66	1367.2	516.2	70.5	1.071	1.036	1.001	-0.070	1.036	0.003	-0.004	-0.22	0.16
21	15.666	1.027	1053.61	1366.7	516.5	70.5	1.076	1.039	1.001	-0.076	1.039	0.004	-0.003	-0.17	0.21
22	16.000	1.027	1053.22	1367.3	516.5	70.5	1.080	1.042	1.000	-0.084	1.042	0.004	-0.000	-0.03	0.24
23	16.333	1.027	1053.72	1366.9	516.6	70.5	1.084	1.045	1.001	-0.089	1.045	0.004	0.001	0.04	0.23
24	16.666	1.027	1053.74	1368.3	517.2	70.5	1.092	1.051	1.000	-0.102	1.051	0.005	0.003	0.15	0.28
25	17.000	1.024	1052.45	1366.8	516.1	70.2	1.087	1.056	1.000	-0.111	1.056	0.005	0.005	0.28	0.28
26	17.333	1.026	1051.89	1364.0	514.8	70.2	1.103	1.061	1.000	-0.122	1.061	0.005	0.006	0.34	0.26
27	17.666	1.027	1052.83	1365.4	515.7	70.3	1.114	1.066	0.999	-0.137	1.066	0.005	0.008	0.44	0.29
28	18.000	1.027	1053.30	1368.6	517.1	70.4	1.121	1.073	0.999	-0.147	1.073	0.006	0.009	0.48	0.31
29	18.333	1.027	1053.33	1367.5	516.8	70.2	1.115	1.069	0.999	-0.136	1.069	0.007	0.007	0.38	0.36
30	18.666	1.026	1052.44	1363.3	514.8	70.2	1.094	1.053	0.999	-0.107	1.053	0.008	0.003	0.15	0.42
31	19.000	1.028	1054.05	1365.4	516.3	70.3	1.101	1.026	1.000	-0.053	1.026	0.008	0.001	0.05	0.43

TEST POINT MEX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 IC-464 177 2.999 -2.00 4.3 2.00 -5.00 4.402 2-3-77 TRANSONIC 42

POINT	X	M	VM	PT	Q	TT	ML	VML/VN	PTL/PT	CPL	UL/VN	VL/VP	ML/VN	ALL	SWL
2	10.333	1.023	1050.20	1366.9	515.0	70.4	1.107	1.066	1.000	-0.132	1.066	-0.000	-0.025	-1.37	-0.01
3	11.000	1.023	1050.16	1365.2	515.4	70.4	1.071	1.038	1.000	-0.076	1.038	-0.004	-0.031	-1.01	-0.21
4	11.666	1.024	1050.75	1366.5	515.1	70.4	1.007	0.986	1.000	0.029	0.985	-0.002	-0.041	-2.38	-0.16
5	12.333	1.025	1051.67	1367.1	515.8	70.5	0.993	0.974	1.001	0.054	0.973	-0.003	-0.044	-2.59	-0.16
6	13.000	1.026	1052.22	1366.4	515.7	70.5	0.992	0.972	1.001	0.057	0.971	-0.004	-0.042	-2.48	-0.23
7	13.666	1.026	1052.84	1367.0	516.3	70.5	0.995	0.974	1.000	0.052	0.973	-0.005	-0.038	-2.28	-0.27
8	14.333	1.024	1052.53	1366.8	516.0	70.5	1.000	0.979	1.001	0.044	0.978	-0.006	-0.035	-2.02	-0.33
9	15.000	1.027	1053.00	1367.3	516.4	70.5	1.007	0.994	1.001	0.033	0.984	-0.006	-0.030	-1.74	-0.36
10	15.666	1.025	1051.99	1367.5	516.1	70.4	1.017	0.993	1.001	0.014	0.993	-0.007	-0.024	-1.40	-0.39
11	16.333	1.028	1053.97	1367.2	516.9	70.3	1.028	1.000	1.001	0.001	1.000	-0.007	-0.019	-1.11	-0.40
12	17.000	1.028	1053.83	1365.6	516.2	70.4	1.044	1.013	1.001	-0.025	1.013	-0.007	-0.014	-0.82	-0.38
13	17.666	1.028	1053.95	1365.6	516.7	70.4	1.063	1.028	1.000	-0.055	1.028	-0.006	-0.008	-0.44	-0.34
14	18.333	1.028	1053.85	1366.8	516.7	70.5	1.089	1.049	1.001	-0.096	1.049	-0.005	0.000	0.01	-0.30
15	19.000	1.026	1052.60	1366.3	516.0	70.4	1.122	1.075	1.000	-0.149	1.075	-0.005	0.009	0.49	-0.29

TEST PART RE10-6 ALPHA WING Y 2 PUN SUPPLY DATE AEDC PROPULSION WIND TUNNEL
TC-484 382 2.990 -2.00 4% 2.00 -3.00 4-407 2-3-77 TRANSONIC 4T

POINT	X	M	VM	PT	0	IT	VL	VHL/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SUL
3	10.000	1.024	1050.46	1366.5	515.0	70.4	1.109	1.067	0.998	-0.136	1.067	0.002	-0.025	-1.32	0.11
4	10.333	1.024	1051.15	1368.2	515.9	70.5	1.078	1.043	0.999	-0.087	1.042	-0.005	-0.032	-1.75	-0.29
5	10.666	1.024	1050.64	1368.0	515.7	70.4	1.047	1.018	1.000	-0.036	1.018	-0.003	-0.036	-2.03	-0.18
6	11.000	1.024	1050.91	1366.4	515.3	70.4	1.019	0.996	1.000	0.009	0.995	-0.002	-0.040	-2.29	-0.13
7	11.333	1.025	1051.41	1365.8	515.1	70.5	1.004	0.983	1.001	0.034	0.982	-0.002	-0.044	-2.59	-0.13
8	11.666	1.025	1051.44	1367.2	515.7	70.4	1.002	0.981	1.001	0.039	0.980	-0.003	-0.046	-2.67	-0.17
9	12.000	1.025	1051.60	1367.5	516.0	70.3	1.002	0.981	1.001	0.039	0.980	-0.004	-0.046	-2.67	-0.25
10	12.333	1.025	1051.31	1365.6	515.2	70.2	1.000	0.979	1.001	0.043	0.976	-0.006	-0.045	-2.61	-0.33
11	12.666	1.026	1052.22	1365.4	515.5	70.3	1.000	0.979	1.000	0.043	0.978	-0.007	-0.043	-2.50	-0.38
12	13.000	1.025	1051.65	1364.9	515.0	70.4	1.001	0.980	1.001	0.041	0.979	-0.008	-0.041	-2.37	-0.44
13	13.333	1.026	1052.61	1367.5	516.3	70.5	1.001	0.980	1.001	0.041	0.979	-0.008	-0.038	-2.23	-0.48
14	13.666	1.027	1053.45	1368.9	517.3	70.4	1.002	0.979	1.001	0.042	0.979	-0.008	-0.035	-2.04	-0.48
15	14.000	1.025	1051.41	1365.8	515.6	70.4	1.000	0.980	1.001	0.041	0.980	-0.009	-0.032	-1.86	-0.50
16	14.333	1.025	1051.45	1365.5	515.0	70.5	1.004	0.983	1.001	0.035	0.983	-0.008	-0.029	-1.67	-0.49
17	14.666	1.028	1053.70	1368.6	517.3	70.4	1.014	0.989	1.000	0.023	0.988	-0.008	-0.025	-1.46	-0.47
18	15.000	1.027	1052.82	1367.7	516.6	70.3	1.021	0.995	1.000	0.011	0.995	-0.008	-0.022	-1.26	-0.46
19	15.333	1.025	1051.63	1363.7	514.5	70.3	1.026	1.001	1.002	0.000	1.001	-0.008	-0.019	-1.07	-0.46
20	15.666	1.026	1052.30	1364.4	515.1	70.4	1.030	1.011	1.000	-0.022	1.011	-0.008	-0.015	-0.83	-0.44
21	16.000	1.028	1053.95	1368.1	517.2	70.4	1.056	1.022	1.000	-0.044	1.022	-0.008	-0.011	-0.62	-0.44
22	16.333	1.026	1052.49	1368.8	516.8	70.4	1.064	1.031	1.001	-0.060	1.030	-0.008	-0.007	-0.40	-0.44
23	16.666	1.027	1052.94	1365.8	515.9	70.4	1.069	1.033	1.001	-0.066	1.033	-0.006	-0.003	-0.18	-0.33
24	17.000	1.027	1053.55	1365.8	516.2	70.4	1.082	1.043	0.999	-0.087	1.043	-0.005	0.001	0.07	-0.29
25	17.333	1.029	1054.61	1369.2	517.6	70.4	1.098	1.054	0.999	-0.109	1.054	-0.005	0.006	0.34	-0.25
26	17.666	1.026	1052.74	1365.6	516.9	70.4	1.112	1.068	1.000	-0.135	1.067	-0.004	0.011	0.62	-0.22
27	18.000	1.025	1051.42	1366.0	515.3	70.3	1.132	1.084	0.999	-0.168	1.084	-0.003	0.018	0.97	-0.16
28	18.333	1.026	1052.47	1365.1	515.4	70.4	1.148	1.095	0.999	-0.190	1.095	-0.002	0.024	1.25	-0.10
29	18.666	1.026	1052.56	1367.4	516.3	70.4	1.143	1.081	0.999	-0.183	1.091	0.000	0.022	1.17	0.01
30	19.000	1.026	1052.39	1365.3	515.8	70.4	1.031	1.005	0.999	-0.031	1.005	-0.001	-0.000	-0.02	-0.07

TEST PART		DEX10-6	ALFA	WING	Y	Z	RUN SURVEY		DATE	AEDC PROPUSSION WIND TUNNEL				
TC-484		393	3.001	-2.00	48	2.00	-2.00	4-408	2-3-77	TRANSONIC AT				
POINT	X	M	YM	PT	G	TV	ML	VMI/VN	PTL/PT	CPL	UL/VN	VL/VN	ML/VN	SWL
1	10.000	1.023	1049.47	1367.9	515.1	70.4	1.074	1.041	0.999	-0.054	1.041	-0.005	-0.035	-0.27
2	10.333	1.023	1049.78	1368.1	515.3	70.3	1.054	1.025	1.000	-0.051	1.025	-0.003	-0.037	-0.15
3	10.666	1.022	1048.68	1364.3	513.4	70.3	1.023	1.001	1.001	-0.001	1.000	-0.001	-0.042	-0.08
4	11.000	1.024	1050.58	1364.6	514.4	70.3	1.009	0.988	1.000	0.025	0.987	-0.002	-0.046	-0.07
5	11.333	1.024	1051.15	1367.8	515.8	70.4	1.008	0.986	1.000	0.028	0.985	-0.003	-0.049	-0.10
6	11.666	1.025	1051.26	1368.2	516.0	70.4	1.008	0.987	1.002	0.029	0.985	-0.005	-0.051	-0.19
7	12.000	1.024	1050.46	1366.5	515.1	70.3	1.007	0.986	1.001	0.029	0.985	-0.008	-0.050	-0.29
8	12.333	1.025	1051.79	1364.2	514.8	70.4	1.008	0.986	1.001	0.030	0.985	-0.010	-0.048	-0.47
9	12.666	1.025	1051.78	1366.3	515.5	70.4	1.010	0.988	1.001	0.026	0.987	-0.011	-0.045	-0.56
10	13.000	1.026	1052.05	1367.0	516.0	70.3	1.009	0.987	1.001	0.028	0.986	-0.012	-0.041	-0.64
11	13.333	1.026	1052.13	1366.0	515.7	70.2	1.007	0.985	1.001	0.032	0.984	-0.012	-0.037	-0.71
12	13.666	1.025	1051.17	1363.4	514.3	70.2	1.005	0.984	1.001	0.034	0.983	-0.012	-0.034	-0.72
13	14.000	1.027	1053.00	1366.1	516.1	70.3	1.010	0.986	1.000	0.027	0.986	-0.012	-0.030	-0.67
14	14.333	1.027	1053.03	1368.1	516.8	70.4	1.016	0.991	1.001	0.018	0.991	-0.010	-0.027	-0.56
15	14.666	1.025	1051.69	1366.7	515.7	70.3	1.018	0.994	1.001	0.014	0.993	-0.009	-0.023	-0.53
16	15.000	1.026	1052.56	1364.7	515.4	70.3	1.022	0.997	1.001	0.009	0.996	-0.008	-0.019	-0.44
17	15.333	1.026	1052.01	1365.0	515.2	70.3	1.030	1.004	1.001	-0.006	1.004	-0.006	-0.015	-0.35
18	15.666	1.027	1053.15	1366.2	516.2	70.3	1.046	1.015	1.001	-0.029	1.015	-0.005	-0.011	-0.30
19	16.000	1.027	1053.00	1366.1	516.1	70.3	1.065	1.031	1.001	-0.060	1.031	-0.004	-0.005	-0.25
20	16.333	1.027	1052.93	1365.0	515.6	70.3	1.073	1.037	1.000	-0.073	1.037	-0.003	-0.001	-0.18
21	16.666	1.027	1053.47	1366.6	516.5	70.2	1.096	1.054	0.999	-0.109	1.054	-0.003	0.007	-0.17
22	17.000	1.026	1052.50	1366.5	516.0	70.3	1.113	1.068	1.000	-0.136	1.068	-0.003	0.013	-0.15
23	17.333	1.026	1052.38	1365.5	515.6	70.3	1.132	1.083	0.999	-0.165	1.083	-0.002	0.022	-0.10
24	17.666	1.027	1052.99	1345.7	515.9	70.3	1.154	1.099	0.999	-0.197	1.099	-0.000	0.030	-0.00
25	18.000	1.028	1054.35	1367.7	517.3	70.3	1.169	1.108	0.998	-0.217	1.108	0.004	0.038	0.20
26	18.333	1.027	1052.75	1366.4	516.1	70.3	1.124	1.077	0.997	-0.156	1.077	0.010	0.021	0.32
27	18.666	1.026	1052.66	1364.5	515.3	70.3	1.010	0.987	0.997	-0.022	0.987	0.006	0.003	0.37
28	19.000	1.026	1052.70	1366.7	516.1	70.4	0.991	0.971	0.998	0.054	0.971	0.002	-0.004	0.11

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE 2-3-77 AEDC PROPELLION WIND TUNNEL
TC-484 384 2.996 -2.00 43 2.00 -1.00 4-409

POINT	X	M	VM	PT	O	TT	ML	VML/VN	PTL/PT	CPL	UL/VN	VL/VN	ML/VN	AAL	SWL
1	10.000	1.022	1048.82	1365.5	514.0	70.2	1.058	1.029	1.000	-0.058	1.028	-0.000	-0.043	-2.42	-0.01
2	10.333	1.024	1050.86	1365.9	515.1	70.2	1.050	1.020	0.999	-0.042	1.019	0.000	-0.045	-2.53	0.02
3	10.666	1.025	1051.31	1365.6	515.1	70.3	1.028	1.002	1.001	-0.004	1.001	0.002	-0.052	-2.98	0.13
4	11.000	1.024	1050.56	1366.5	515.1	70.3	1.006	0.985	1.001	0.030	0.984	0.001	-0.061	-3.52	0.08
5	11.333	1.023	1050.17	1364.8	514.3	70.3	1.003	0.983	1.002	0.035	0.981	-0.004	-0.066	-3.47	-0.20
6	11.666	1.025	1051.26	1365.7	515.2	70.2	1.013	0.990	1.000	0.020	0.988	-0.010	-0.067	-3.88	-0.61
7	12.000	1.027	1052.91	1366.7	516.3	70.3	1.020	0.995	1.001	0.012	0.993	0.015	-0.063	-3.65	-0.85
8	12.333	1.026	1052.24	1366.4	515.8	70.4	1.022	0.997	1.001	0.007	0.995	-0.017	-0.058	-3.36	-0.99
9	12.666	1.026	1052.21	1367.5	516.2	70.4	1.023	0.998	1.001	0.006	0.996	-0.018	-0.052	-3.00	-1.05
10	13.000	1.025	1051.69	1366.9	515.8	70.3	1.021	0.997	1.001	0.009	0.995	-0.019	-0.047	-2.68	-1.10
11	13.333	1.025	1051.35	1365.1	514.9	70.3	1.019	0.995	1.001	0.011	0.994	-0.019	-0.042	-2.40	-1.08
12	13.666	1.025	1051.75	1364.9	515.1	70.3	1.020	0.996	1.001	0.010	0.995	-0.018	-0.036	-2.10	-1.01
13	14.000	1.027	1053.37	1367.0	516.5	70.4	1.023	0.997	1.001	0.007	0.996	-0.015	-0.032	-1.83	-0.88
14	14.333	1.026	1052.42	1367.9	516.5	70.2	1.032	1.005	1.001	-0.008	1.004	-0.013	-0.028	-1.60	-0.73
15	14.666	1.027	1052.82	1364.8	515.6	70.2	1.033	1.005	1.001	-0.009	1.005	-0.011	-0.023	-1.29	-0.62
16	15.000	1.026	1052.25	1364.3	515.3	70.3	1.040	1.012	1.000	-0.023	1.011	-0.009	-0.018	-1.03	-0.50
17	15.333	1.027	1053.00	1366.1	516.1	70.3	1.050	1.018	1.000	-0.036	1.018	-0.006	-0.014	-0.77	-0.32
18	15.666	1.027	1053.11	1366.9	516.4	70.3	1.053	1.021	1.001	-0.040	1.020	-0.004	-0.009	-0.52	-0.23
19	16.000	1.026	1052.43	1365.8	515.7	70.3	1.059	1.026	1.001	-0.051	1.026	-0.002	-0.004	-0.22	-0.12
20	16.333	1.027	1052.88	1365.3	515.7	70.3	1.064	1.030	1.000	-0.060	1.030	0.000	0.003	0.17	0.02
21	16.666	1.027	1053.16	1366.6	516.3	70.3	1.077	1.040	0.999	-0.080	1.039	0.004	0.010	0.55	0.24
22	17.000	1.026	1052.44	1366.4	515.9	70.3	1.097	1.056	0.999	-0.114	1.056	0.009	0.020	1.09	0.51
23	17.333	1.025	1051.26	1365.3	515.1	70.1	1.118	1.074	0.998	-0.148	1.073	0.015	0.029	1.54	0.80
24	17.666	1.025	1050.99	1364.6	514.7	70.0	1.122	1.077	0.997	-0.156	1.076	0.020	0.032	1.71	1.08
25	18.000	1.026	1052.28	1365.7	515.6	70.2	1.080	1.043	0.996	-0.091	1.042	0.023	0.025	1.37	1.28
26	18.333	1.025	1051.58	1366.3	515.5	70.2	1.020	0.996	0.998	0.005	0.995	0.016	0.013	0.75	0.90
27	18.666	1.024	1050.83	1364.7	514.6	70.2	1.018	0.995	1.000	0.010	0.995	0.009	0.005	0.28	0.49
28	19.000	1.026	1052.06	1364.9	515.2	70.2	1.017	0.993	1.001	0.015	0.993	0.003	0.001	0.03	0.16

TEST PART REX10-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 378 3.001 -2.00 48 4.00 -5.00 4-403 2-3-77 TRANSONIC AT

POINT	X	M	VN	PT	Q	IT	ML	VHL/VN	PTL/PT	CPL	UL/VN	YL/VN	ML/VN	AAL	BWL
2	10.500	1.023	1050.27	1367.7	515.4	70.4	1.095	1.057	0.999	-0.114	1.056	-0.005	-0.030	-1.64	-0.28
3	11.000	1.023	1050.10	1367.4	515.1	70.5	1.085	1.050	1.000	-0.099	1.049	-0.006	-0.031	-1.67	-0.33
4	11.500	1.024	1050.81	1366.8	515.3	70.4	1.038	1.011	1.000	-0.022	1.010	-0.003	-0.035	-1.97	-0.20
5	12.000	1.025	1051.36	1366.3	515.3	70.4	0.994	0.975	1.001	0.050	0.975	-0.001	-0.041	-2.38	-0.07
6	12.500	1.025	1051.77	1366.5	515.6	70.4	0.989	0.971	1.001	0.059	0.970	-0.001	-0.043	-2.55	-0.62
7	13.000	1.025	1051.74	1368.0	516.1	70.5	0.993	0.974	1.000	0.053	0.973	-0.002	-0.043	-2.51	-0.15
8	13.500	1.026	1052.13	1367.0	515.9	70.5	0.995	0.975	1.001	0.052	0.974	-0.004	-0.041	-2.42	-0.25
9	14.000	1.026	1052.49	1366.7	516.2	70.5	0.996	0.976	1.001	0.051	0.975	-0.006	-0.039	-2.26	-0.33
10	14.500	1.026	1052.43	1367.0	516.1	70.5	1.001	0.980	1.000	0.041	0.979	-0.007	-0.036	-2.10	-0.42
11	15.000	1.027	1053.42	1367.7	516.8	70.4	1.006	0.983	1.000	0.035	0.982	-0.009	-0.032	-1.89	-0.52
12	15.500	1.026	1052.84	1367.0	516.3	70.5	1.013	0.989	1.001	0.023	0.989	-0.010	-0.028	-1.63	-0.60
13	16.000	1.026	1052.28	1366.9	516.0	70.5	1.019	0.994	1.001	0.012	0.994	-0.011	-0.025	-1.43	-0.63
14	16.500	1.027	1053.51	1367.1	516.6	70.4	1.030	1.002	1.000	-0.004	1.002	-0.012	-0.021	-1.19	-0.70
15	17.000	1.025	1051.71	1366.0	515.4	70.3	1.044	1.015	1.001	-0.029	1.015	-0.012	-0.016	-0.90	-0.68
16	17.500	1.026	1052.05	1364.9	515.3	70.1	1.060	1.027	1.001	-0.053	1.027	-0.012	-0.011	-0.63	-0.69
17	18.000	1.027	1053.01	1364.6	515.6	70.2	1.078	1.040	1.000	-0.080	1.040	-0.012	-0.005	-0.28	-0.65
18	18.500	1.029	1054.46	1366.4	516.9	70.2	1.098	1.055	1.000	-0.109	1.055	-0.012	0.001	0.05	-0.64
19	19.000	1.027	1053.23	1365.8	516.1	70.2	1.120	1.073	1.000	-0.146	1.073	-0.012	0.008	0.42	-0.64

TEST PART MEX10-6 ALPHA WING Y 2 RUN SURVEY
 IC-484 395 2.995 -2.00 44 4.00 -3.00 4-410
 DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 TRANSONIC 47

POINT	X	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SWL
3	10.500	1.023	1049.77	1365.0	514.2	70.3	1.091	1.054	1.001	-0.106	1.053	-0.006	-0.031	-1.69	-0.33
4	11.000	1.024	1050.53	1365.1	514.6	70.3	1.035	1.025	1.000	-0.050	1.024	-0.002	-0.039	-2.16	-0.11
5	11.500	1.025	1051.63	1365.4	515.6	70.2	1.002	0.981	1.000	0.039	0.980	0.003	-0.046	-2.68	0.14
6	12.000	1.025	1051.06	1365.7	515.0	70.3	0.995	0.976	1.001	0.051	0.974	0.003	-0.050	-2.92	0.19
7	12.500	1.025	1051.31	1365.8	515.2	70.3	0.994	0.975	1.001	0.052	0.973	0.001	-0.051	-2.99	0.03
8	13.000	1.026	1052.22	1365.6	515.5	70.4	0.998	0.978	1.001	0.046	0.976	-0.003	-0.050	-2.94	-0.17
9	13.500	1.025	1051.88	1365.1	515.6	70.3	1.000	0.979	1.000	0.043	0.978	-0.006	-0.048	-2.82	-0.36
10	14.000	1.028	1053.69	1367.6	517.0	70.3	1.005	0.982	1.000	0.036	0.981	-0.010	-0.043	-2.52	-0.60
11	14.500	1.027	1052.87	1367.8	516.6	70.4	1.016	0.991	1.001	0.018	0.991	-0.013	-0.038	-2.20	-0.74
12	15.000	1.025	1051.79	1365.9	515.8	70.4	1.027	1.001	1.001	-0.002	1.001	-0.016	-0.032	-1.84	-0.91
13	15.500	1.026	1052.48	1365.7	515.7	70.3	1.038	1.010	1.001	-0.018	1.009	-0.017	-0.025	-1.43	-0.94
14	16.000	1.026	1052.26	1364.7	515.2	70.3	1.055	1.024	1.001	-0.046	1.023	-0.017	-0.020	-1.12	-0.97
15	16.500	1.028	1054.22	1366.3	516.7	70.3	1.076	1.038	1.000	-0.075	1.037	-0.017	-0.013	-0.71	-0.93
16	17.000	1.026	1052.70	1366.7	516.2	70.3	1.043	1.053	1.000	-0.105	1.053	-0.017	-0.005	-0.29	-0.93
17	17.500	1.026	1052.55	1366.4	516.0	70.2	1.108	1.065	1.000	-0.128	1.064	-0.016	0.002	0.11	-0.84
18	18.000	1.027	1053.38	1364.7	515.7	70.3	1.138	1.086	0.999	-0.173	1.086	-0.016	0.013	0.70	-0.82
19	18.500	1.027	1053.41	1365.3	516.3	70.3	1.164	1.106	0.998	-0.213	1.106	-0.017	0.026	1.35	-0.88
20	19.000	1.028	1053.72	1366.7	516.6	70.3	1.045	1.014	0.997	-0.031	1.014	-0.014	0.001	0.06	-0.81

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC PROPULSION WIND TUNNEL
 TC-484 386 2.992 -2.00 4.00 -2.00 4.411 TRANSONIC 41

POINT	X	Y	Z	Q	IT	ML	VHL/VH	FTL/PT	CPL	DL/VH	VL/VH	WL/VH	AAL	SWL
1	10.500	1.022	1049.13	1365.1	514.3	70.3	1.081	1.047	0.999	1.046	-0.004	-0.038	-2.09	-0.22
2	11.000	1.023	1049.67	1364.8	514.1	70.2	1.038	1.004	-0.008	1.003	0.003	-0.043	-2.45	0.18
3	11.500	1.024	1050.70	1365.8	514.9	70.3	0.996	0.977	1.000	0.976	0.008	-0.049	-2.87	0.48
4	12.000	1.024	1050.93	1367.0	515.5	70.3	0.994	0.976	1.000	0.974	0.008	-0.054	-3.15	0.48
5	12.500	1.024	1050.47	1366.7	515.1	70.3	0.993	0.975	1.001	0.973	0.003	-0.056	-3.32	0.18
6	13.000	1.024	1050.64	1365.1	514.7	70.3	0.995	0.976	1.001	0.974	-0.003	-0.056	-3.31	-0.16
7	13.500	1.025	1050.80	1364.6	514.6	70.1	1.000	0.980	1.001	0.979	-0.008	-0.054	-3.13	-0.51
8	14.000	1.026	1052.41	1367.1	516.2	70.2	1.005	0.983	1.000	0.982	-0.014	-0.047	-2.74	-0.84
9	14.500	1.026	1052.04	1366.6	515.8	70.3	1.014	0.990	1.000	0.989	-0.018	-0.039	-2.28	-1.08
10	15.000	1.025	1051.75	1364.7	515.0	70.2	1.032	1.006	1.001	1.005	-0.020	-0.030	-1.69	-1.13
11	15.500	1.026	1052.36	1364.9	515.3	70.3	1.062	1.029	1.000	1.028	-0.021	-0.021	-1.17	-1.17
12	16.000	1.028	1052.63	1367.3	516.8	70.3	1.089	1.049	0.999	1.048	-0.021	-0.013	-0.71	-1.13
13	16.500	1.026	1052.73	1367.9	516.6	70.3	1.103	1.060	1.000	1.060	-0.020	-0.004	-0.23	-1.07
14	17.000	1.025	1051.54	1364.3	514.5	70.1	1.120	1.074	1.000	1.074	-0.018	0.006	0.30	-0.96
15	17.500	1.026	1052.35	1364.1	515.1	70.2	1.150	1.097	0.999	1.096	-0.019	0.018	0.96	-0.99
16	18.000	1.027	1052.93	1367.7	516.7	70.3	1.184	1.121	0.998	1.120	-0.020	0.036	1.84	-1.02
17	18.500	1.024	1050.87	1364.0	514.3	70.2	1.148	1.096	0.996	1.096	-0.017	0.023	1.22	-0.89
18	19.000	1.028	1053.93	1367.1	516.9	70.3	0.936	0.925	0.994	0.925	-0.013	-0.005	-0.38	-0.77

TEST	PART	REXIO-6	ALFA	WING	Y	Z	RUN SURVEY	DATE	1.00 PROPULSION WIND TUNNEL	TRANSMIC AT					
IC-484	387	2.995	-2.00	49	4.00	-1.00	4-412	20-3-77							
POINT	X	M	VM	PT	Q	TT	ML	VML/VM	PTL/PT	CPL	VL/VM	VL/VM	WL/VM	AAL	SWL
1	10.500	1.022	1049.11	1365.3	514.0	70.3	1.072	1.040	0.999	-0.000	-0.002	-0.002	-0.041	-2.24	-0.10
2	11.000	1.024	1050.24	1365.5	514.6	70.2	1.018	0.995	1.000	0.009	0.009	0.009	-0.044	-2.93	0.09
3	11.500	1.025	1051.74	1365.8	515.0	70.3	0.989	0.971	1.000	0.050	0.014	0.014	-0.044	-2.91	0.06
4	12.000	1.024	1050.85	1365.7	514.9	70.3	0.982	0.965	1.001	0.070	0.064	0.016	-0.050	-3.42	0.93
5	12.500	1.024	1050.81	1365.6	515.0	70.4	0.985	0.968	1.000	0.045	0.065	0.009	-0.067	-3.99	0.55
6	13.000	1.025	1051.47	1366.1	515.4	70.3	1.000	0.960	1.001	0.041	0.077	-0.005	-0.071	-4.16	-0.20
7	13.500	1.025	1051.78	1366.3	515.5	70.4	1.012	0.989	1.001	0.023	0.087	-0.016	-0.064	-3.73	-0.06
8	14.000	1.025	1051.41	1365.8	515.2	70.4	1.014	0.991	1.001	0.018	0.090	-0.034	-0.054	-3.31	-0.39
9	14.500	1.026	1052.14	1366.4	515.0	70.3	1.013	0.989	1.000	0.021	0.068	-0.028	-0.043	-2.47	-0.62
10	15.000	1.027	1053.41	1366.5	516.4	70.3	1.030	1.003	0.999	-0.006	1.002	-0.028	-0.032	-1.83	-1.59
11	15.500	1.025	1051.85	1366.6	515.1	70.3	1.035	1.023	1.000	-0.047	1.023	-0.027	-0.023	-1.27	-1.53
12	16.000	1.026	1052.53	1366.9	515.8	70.4	1.068	1.034	0.999	-0.069	1.033	-0.025	-0.013	-0.71	-1.37
13	16.500	1.025	1051.76	1367.0	516.1	70.3	1.109	1.066	0.999	-0.132	1.066	-0.026	-0.001	-0.63	-1.28
14	17.000	1.025	1051.69	1367.4	514.8	70.3	1.169	1.112	0.998	-0.224	1.111	-0.026	0.026	-1.33	-1.33
15	17.500	1.028	1054.28	1367.2	517.0	70.5	1.206	1.137	0.995	-0.275	1.135	-0.029	0.051	2.57	-1.48
16	18.000	1.027	1053.49	1366.4	517.1	70.4	1.213	1.142	0.992	-0.290	1.141	-0.022	0.057	2.87	-1.12
17	18.500	1.024	1050.89	1365.8	514.8	70.3	0.940	0.930	0.992	0.128	0.930	-0.010	0.004	0.28	-0.63
18	19.000	1.025	1051.52	1366.2	515.4	70.7	0.943	0.932	0.992	0.129	0.932	-0.012	-0.001	-0.07	-0.76

TEST PART REX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 379 2.996 -2.00 43 7.00 -3.00 4-404 2-3-77 TRANSONIC 47

POINT	X	M	W	Y	PT	Q	TT	ML	VHL/VH	FTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SUL
1	10.500	1.022	1048.45	1365.8	513.9	70.3	1.076	1.043	1.000	-0.086	1.043	1.043	-0.004	-0.037	-2.05	-0.24
2	11.000	1.022	1048.77	1366.6	514.3	70.3	1.090	1.054	1.000	-0.107	1.053	1.053	-0.006	-0.035	-1.93	-0.34
3	11.500	1.023	1050.02	1365.5	514.5	70.3	1.081	1.046	1.000	-0.092	1.045	1.045	-0.007	-0.034	-1.87	-0.36
4	12.000	1.024	1050.58	1365.4	514.7	70.3	1.031	1.006	1.000	-0.012	1.005	1.005	-0.003	-0.039	-2.22	-0.07
5	12.500	1.024	1050.75	1366.5	515.2	70.3	0.989	0.971	1.001	0.059	0.970	0.970	0.003	-0.044	-2.61	0.16
6	13.000	1.024	1051.04	1365.9	515.1	70.3	0.983	0.966	1.001	0.069	0.965	0.965	0.004	-0.046	-2.76	0.23
7	13.500	1.024	1051.04	1365.9	515.1	70.3	0.988	0.970	1.000	0.060	0.969	0.969	0.003	-0.048	-2.81	0.20
8	14.000	1.026	1052.47	1366.3	515.9	70.4	0.992	0.972	1.000	0.056	0.971	0.971	0.002	-0.048	-2.80	0.11
9	14.500	1.027	1053.63	1368.3	517.2	70.4	0.994	0.973	1.000	0.055	0.972	0.972	0.000	-0.047	-2.77	0.01
10	15.000	1.026	1052.39	1367.1	516.1	70.4	0.994	0.974	1.000	0.052	0.973	0.973	-0.003	-0.045	-2.63	-0.16
11	15.500	1.026	1052.42	1366.2	515.8	70.4	1.000	0.979	1.001	0.043	0.978	0.978	-0.003	-0.043	-2.52	-0.30
12	16.000	1.027	1053.24	1366.6	516.4	70.4	1.011	0.987	1.000	0.026	0.986	0.986	-0.008	-0.040	-2.32	-0.49
13	16.500	1.026	1054.23	1367.7	517.2	70.5	1.021	0.994	1.001	0.012	0.994	0.994	-0.011	-0.036	-2.06	-0.62
14	17.000	1.026	1052.81	1367.9	516.5	70.4	1.037	1.008	1.001	-0.015	1.008	1.008	-0.014	-0.032	-1.80	-0.77
15	17.500	1.026	1052.55	1367.4	516.3	70.4	1.054	1.022	1.000	-0.044	1.022	1.022	-0.015	-0.027	-1.50	-0.94
16	18.000	1.028	1053.86	1367.2	516.9	70.4	1.076	1.038	1.000	-0.076	1.038	1.038	-0.016	-0.021	-1.17	-0.98
17	18.500	1.027	1053.46	1367.2	516.6	70.5	1.078	1.041	1.000	-0.081	1.040	1.040	-0.018	-0.019	-1.03	-1.01
18	19.000	1.028	1054.19	1368.4	517.4	70.5	1.088	1.048	0.999	-0.096	1.047	1.047	-0.020	-0.015	-0.92	-1.12

TEST PART RFX10-6 ALPHA WING Y 2 RUN SUPPLY DATE 2-3-77 AEDC PROPLUSTON WIND TUNNEL
 TC-484 388 2.996 -2.00 48 7.00 -3.00 4-113 TRANSONIC 67

POINT	X	Y	H	VM	PT	Q	IT	ML	VPL/VM	PTL/PT	CPL	UL/VM	VL/VM	ML/VM	AAL	SMU
1	10.500	1.020	1048.32	1369.8	1370.7	516.8	71.3	1.092	1.057	1.000	-0.115	1.057	-0.008	-0.038	-2.07	-0.42
2	11.000	1.023	1050.63	1370.7	1370.7	516.2	71.3	1.098	1.060	0.999	-0.120	1.059	-0.009	-0.037	-2.03	-0.50
3	11.500	1.022	1049.60	1368.0	1368.0	514.8	71.3	1.061	1.032	1.000	-0.063	1.031	-0.004	-0.049	-2.20	-0.22
4	12.000	1.024	1051.41	1369.3	1369.3	516.1	71.3	1.002	0.983	1.000	0.035	0.982	0.003	-0.043	-2.53	0.20
5	12.500	1.024	1051.36	1369.4	1369.4	516.1	71.4	0.980	0.964	1.000	0.072	0.963	0.006	-0.047	-2.79	0.38
6	13.000	1.024	1052.09	1370.4	1370.4	516.8	71.4	0.983	0.966	1.000	0.069	0.965	0.006	-0.048	-2.80	0.36
7	13.500	1.025	1052.80	1370.4	1370.4	517.1	71.4	0.987	0.969	1.000	0.062	0.968	0.005	-0.051	-3.00	0.29
8	14.000	1.026	1053.51	1370.4	1370.4	517.4	71.5	0.991	0.971	1.001	0.058	0.970	0.002	-0.052	-3.05	0.12
9	14.500	1.026	1053.46	1370.7	1370.7	517.5	71.5	0.995	0.975	1.000	0.050	0.974	-0.002	-0.052	-3.05	-0.09
10	15.000	1.025	1052.63	1369.9	1369.9	516.8	71.5	1.006	0.984	1.001	0.033	0.983	-0.007	-0.051	-2.98	-0.39
11	15.500	1.028	1055.00	1371.3	1371.3	518.4	71.5	1.020	0.994	1.000	0.012	0.992	-0.013	-0.048	-2.75	-0.76
12	16.000	1.027	1054.63	1370.8	1370.8	518.1	71.5	1.035	1.006	1.000	-0.012	1.005	-0.019	-0.043	-2.45	-1.07
13	16.500	1.027	1054.48	1370.7	1370.7	517.9	71.6	1.058	1.025	1.000	-0.049	1.024	-0.024	-0.036	-2.03	-1.33
14	17.000	1.028	1055.18	1370.3	1370.3	518.1	71.6	1.090	1.049	1.000	-0.097	1.048	-0.027	-0.026	-1.44	-1.50
15	17.500	1.029	1056.24	1370.4	1370.4	518.6	71.7	1.106	1.061	0.999	-0.122	1.060	-0.030	-0.020	-1.05	-1.62
16	18.000	1.029	1055.69	1370.3	1370.3	518.4	71.5	1.102	1.058	1.000	-0.116	1.057	-0.033	-0.016	-0.88	-1.79
17	18.500	1.028	1055.33	1370.0	1370.0	518.0	71.6	1.117	1.070	0.999	-0.139	1.069	-0.037	-0.009	-0.49	-1.98
18	19.000	1.029	1055.83	1371.8	1371.8	518.5	71.7	1.129	1.079	0.999	-0.158	1.078	-0.041	-0.004	-0.19	-2.15

TEST PART REX10-6 ALFA WING Y 2 RUN SURVEY DATE 3-3-77 AEDC PROPULSION WIND TUNNEL
 TC-484 300 2.996 -2.00 40 7.00 -2.00 4-414 TRANSONIC 91

POINT	X	P	V	PT	Q	TT	ML	YML/YM	PFL/PT	CEL	UL/YM	VL/YM	WL/YM	AAL	SML
1	10.500	1.023	1051.36	1369.8	516.1	71.7	1.099	1.060	1.000	-0.119	1.059	-0.008	-0.039	-2.13	-0.45
2	11.000	1.024	1051.66	1365.6	516.1	71.7	1.099	1.060	1.000	-0.119	1.059	-0.008	-0.039	-2.12	-0.44
3	11.500	1.025	1052.85	1370.7	517.1	71.7	1.099	1.033	0.999	-0.064	1.032	-0.003	-0.041	-2.23	-0.17
4	12.000	1.024	1052.24	1370.7	516.9	71.6	0.995	0.976	1.000	0.040	0.975	0.007	-0.044	-2.60	0.30
5	12.500	1.024	1052.18	1370.4	516.7	71.7	0.974	0.962	1.000	0.076	0.963	0.010	-0.047	-2.80	0.50
6	13.000	1.024	1052.43	1370.1	516.7	71.7	0.981	0.964	1.000	0.071	0.963	0.010	-0.049	-2.94	0.61
7	13.500	1.026	1052.12	1371.0	517.8	71.8	0.988	0.969	1.001	0.064	0.967	0.009	-0.032	-3.06	0.54
8	14.000	1.025	1052.86	1371.5	517.4	71.8	0.989	0.971	1.001	0.059	0.969	0.005	-0.035	-3.25	0.32
9	14.500	1.025	1053.36	1371.1	517.4	71.8	0.994	0.976	1.001	0.049	0.975	0.000	-0.037	-3.16	0.03
10	15.000	1.027	1054.64	1371.4	518.2	71.8	1.014	0.989	1.001	0.022	0.988	-0.007	-0.030	-3.36	-0.41
11	15.500	1.028	1055.16	1372.2	518.7	71.8	1.031	1.011	1.000	-0.021	1.009	-0.018	-0.034	-3.09	-1.09
12	16.000	1.026	1053.78	1371.9	517.9	71.9	1.053	1.031	1.001	-0.061	1.030	-0.039	-0.045	-2.50	-1.59
13	16.500	1.026	1054.22	1371.2	517.8	71.9	1.095	1.054	1.001	-0.108	1.053	-0.033	-0.033	-1.82	-1.91
14	17.000	1.027	1054.56	1370.3	517.7	71.9	1.126	1.078	1.000	-0.156	1.077	-0.037	-0.022	-1.16	-1.99
15	17.500	1.027	1055.15	1372.0	518.6	71.9	1.114	1.068	0.998	-0.137	1.067	-0.033	-0.017	-0.94	-2.38
16	18.000	1.027	1054.56	1372.6	518.5	71.9	1.128	1.079	0.999	-0.159	1.078	-0.037	-0.009	-0.47	-2.40
17	18.500	1.024	1053.39	1369.8	517.0	71.7	1.170	1.112	0.999	-0.224	1.111	-0.035	0.010	0.50	-2.86
18	19.000	1.020	1055.02	1372.7	518.9	71.7	1.000	0.978	0.996	0.039	0.976	-0.048	-0.022	-1.29	-2.82

TEST PART PERIOD-6 ALPHA RING Y Z RUN SUBSET DATE AEC PROPOSITION AND TOWERS
 TC-484 390 2.992 -2.00 48 7.00 -1.00 4-415 2-3-77 TRANSMIC 47

POINT	X	Y	YH	PT	B	IT	HL	YHL/YH	PT/PT	CP	WL/YH	YL/YH	WL/YH	AL	SP
1	10.500	1.020	1049.01	1369.4	514.8	71.8	1.099	1.063	1.000	-0.118	1.063	-0.009	-0.061	-2.31	-0.50
2	11.000	1.026	1052.37	1372.5	517.5	71.9	1.098	1.059	0.999	-0.118	1.058	-0.008	-0.061	-2.23	-0.43
3	11.500	1.023	1051.82	1372.8	517.3	72.0	1.059	1.029	1.001	-0.056	1.028	-0.008	-0.062	-2.35	-0.83
4	12.000	1.024	1051.81	1372.4	517.2	71.9	0.990	0.973	1.000	0.034	0.972	0.009	-0.068	-2.63	0.52
5	12.500	1.027	1054.54	1371.6	518.1	71.9	0.990	0.962	1.000	0.076	0.961	0.012	-0.066	-2.75	0.76
6	13.000	1.028	1054.15	1373.0	518.4	72.0	0.990	0.962	1.000	0.076	0.961	0.014	-0.068	-2.89	0.95
7	13.500	1.024	1053.74	1372.6	518.1	72.0	0.978	0.961	1.001	0.078	0.960	0.014	-0.062	-3.12	0.88
8	14.000	1.024	1052.20	1371.4	516.9	72.0	0.977	0.962	1.001	0.078	0.960	0.013	-0.057	-3.39	0.78
9	14.500	1.026	1053.51	1370.8	517.4	71.9	0.987	0.969	1.001	0.063	0.967	0.009	-0.064	-3.80	0.54
10	15.000	1.027	1054.73	1374.2	519.2	72.0	1.021	0.995	1.000	0.007	0.992	-0.005	-0.071	-4.23	-0.26
11	15.500	1.025	1052.94	1373.2	518.0	72.0	1.066	1.033	1.001	-0.065	1.030	-0.030	-0.071	-3.96	-1.67
12	16.000	1.026	1053.74	1370.1	517.2	72.0	1.097	1.057	1.000	-0.113	1.054	-0.046	-0.050	-2.72	-2.58
13	16.500	1.028	1055.42	1372.9	519.0	72.0	1.140	1.088	0.998	-0.176	1.086	-0.050	-0.031	-1.64	-2.66
14	17.000	1.027	1054.74	1374.5	519.3	72.0	1.122	1.074	0.997	-0.152	1.072	-0.050	-0.024	-1.38	-2.30
15	17.500	1.025	1052.89	1370.8	517.0	72.0	1.152	1.099	0.999	-0.199	1.098	-0.065	-0.005	-0.25	-2.39
16	18.000	1.029	1056.23	1372.9	519.4	72.0	1.199	1.130	0.997	-0.260	1.127	-0.080	0.027	1.37	-4.05
17	18.500	1.026	1053.66	1371.1	517.5	72.0	1.063	1.030	0.994	-0.068	1.027	-0.079	-0.010	-0.58	-4.38
18	19.000	1.027	1054.74	1372.0	518.3	72.0	0.987	0.967	0.996	0.060	0.965	-0.067	-0.020	-1.19	-3.97

TEST PART		REF	ALFA	WING	Y	Z	RUN	SURVEY	DATE	AEDC PROPELLION WIND TUNNEL									
3C-484		301	2.997	-2.00	49	-4.00	-5.00	4-416	2-3-77	TRANSONIC 45									
POINT	X	M	VP	PT	Q	TT	ML	VML/VH	PTL/PT	CPL	UL/VH	VL/VH	HL/VH	ALL	SUL				
4	11.000	1.032	1050.78	1371.6	510.3	72.0	1.076	1.043	1.001	-0.084	1.042	-0.005	-0.033	-1.093	-0.26				
5	12.000	1.025	1051.14	1373.2	510.0	72.1	0.992	0.974	1.001	0.054	0.973	-0.003	-0.042	-2.30	-0.17				
6	13.000	1.023	1051.60	1371.0	510.5	72.0	0.986	0.970	1.001	0.042	0.969	-0.002	-0.044	-2.58	-0.12				
7	14.000	1.024	1052.22	1372.4	519.3	72.0	0.997	0.978	1.001	0.044	0.978	0.001	-0.040	-2.33	0.07				
8	15.000	1.027	1054.90	1372.1	518.4	72.0	1.004	0.991	1.001	0.039	0.990	0.004	-0.034	-1.96	0.26				
9	16.000	1.026	1053.93	1371.6	517.8	72.0	1.015	0.991	1.001	0.019	0.991	0.007	-0.026	-1.82	0.40				
10	17.000	1.027	1054.96	1371.9	519.4	72.1	1.036	1.007	1.001	-0.013	1.007	0.009	-0.019	-1.07	0.53				
11	18.000	1.027	1055.28	1373.4	519.1	72.1	1.077	1.039	1.000	-0.078	1.039	0.011	-0.007	-0.38	0.59				
12	19.000	1.027	1054.54	1372.0	519.2	72.1	1.123	1.075	1.000	-0.151	1.075	0.010	0.006	0.31	0.59				

TEST PART REX10-6 XC-404 392 2.996

ALFA WING Y Z
-2.00 41 -4.00 -3.00

RUN SURVEY
4-417

DATE
2-3-17

AEDC PROPULSION WIND TUNNEL
TRANSONIC 42

POINT	X	Y	Z	PT	VP	ALFA	WING	Y	Z	TT	PL	VNL/VN	PTL/PT	CPL	UL/VN	VL/VN	WL/VN	AAL	SWL
3	11.000	1.021	1049.77	1372.2	516.0	72.1	1.041	1.016	1.000	-0.032	1.015	0.002	-0.038	-0.038	0.015	0.002	-0.038	-2.15	0.10
4	12.000	1.024	1052.74	1373.2	517.6	72.1	0.993	0.974	1.000	0.051	0.973	-0.002	-0.047	-0.047	0.010	-0.002	-0.047	-2.79	-0.10
5	13.000	1.024	1052.19	1373.7	517.7	72.1	0.994	0.976	1.001	0.050	0.974	0.002	-0.047	-0.047	0.010	0.002	-0.047	-2.78	0.15
6	14.000	1.024	1052.15	1371.7	517.0	72.1	0.996	0.978	1.001	0.046	0.977	0.009	-0.042	-0.042	0.010	0.009	-0.042	-2.44	0.52
7	15.000	1.025	1053.58	1372.3	517.9	72.1	1.019	0.995	1.001	0.011	0.995	0.016	-0.029	-0.029	0.010	0.016	-0.029	-1.69	0.90
8	16.000	1.026	1055.66	1373.2	519.2	72.1	1.045	1.014	1.000	-0.028	1.014	0.018	-0.018	-0.018	0.010	0.018	-0.018	-1.04	1.03
9	17.000	1.026	1054.50	1372.7	516.4	72.1	1.044	1.046	1.000	-0.091	1.046	0.020	-0.004	-0.004	0.010	0.020	-0.004	-0.23	1.09
10	18.000	1.028	1055.81	1372.3	516.9	72.2	1.141	1.089	0.999	-0.177	1.088	0.016	-0.016	-0.016	0.010	0.016	-0.016	0.84	1.06
11	19.000	1.028	1056.10	1374.0	519.7	72.1	0.999	0.976	0.996	0.042	0.976	0.016	-0.003	-0.003	0.010	0.016	-0.003	-0.19	0.95

TEST PART MEXIO-6 ALPHA WING Y Z RUN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 IC-484 394 2.998 -2.00 48 -7.00 -5.00 4-419 2-3-77 TRANSONIC 43

POINT	X	M	YH	PT	Q	IT	PL	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
1	11.000	1.023	1051.35	1372.5	516.9	72.1	1.001	1.054	1.000	-0.109	1.054	0.006	-0.026	-1.39	0.30
2	12.000	1.024	1052.34	1373.4	517.7	72.1	1.033	1.007	1.000	-0.014	1.007	-0.000	-0.029	-1.67	-0.01
3	13.000	1.026	1053.78	1371.9	517.8	72.1	0.982	0.964	1.001	0.072	0.963	-0.006	-0.036	-2.13	-0.36
4	14.000	1.024	1052.82	1372.4	517.5	72.1	0.988	0.970	1.001	0.061	0.969	-0.004	-0.037	-2.16	-0.26
5	15.000	1.026	1054.45	1372.6	518.3	72.2	0.996	0.975	1.001	0.050	0.975	0.000	-0.034	-2.02	0.03
6	16.000	1.026	1054.39	1372.5	518.3	72.2	1.007	0.984	1.001	0.032	0.984	0.006	-0.029	-1.71	0.36
7	17.000	1.027	1055.20	1372.3	518.6	72.2	1.028	1.001	1.001	-0.001	1.001	0.011	-0.023	-1.29	0.61
8	18.000	1.028	1056.31	1371.9	518.9	72.2	1.066	1.030	1.000	-0.060	1.030	0.014	-0.013	-0.72	0.76
9	19.000	1.028	1056.47	1372.5	519.2	72.3	1.100	1.056	1.000	-0.113	1.056	0.030	-0.004	-0.20	1.10

TEST PART RFX10-6 ALPHA WING Y 2 RUN SURVEY DATE 2-3-77 AEDC POPULSION WIND TUNNEL
 JC-484 393 3.000 -7.00 48 -7.00 -3.00 4-420 TRANSONIC 47

POINT	X	M	VH	PT	Q	TT	ML	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	ML/VH	AAL	SWL
1	11.000	1.024	1052.28	1373.1	517.5	72.2	1.094	1.056	0.999	-0.113	1.056	0.009	-0.030	-1.63	0.49
2	12.000	1.024	1052.16	1372.5	517.2	72.2	0.998	0.979	1.000	0.041	0.979	-0.003	-0.036	-2.09	-0.17
3	13.000	1.025	1053.16	1371.7	517.4	72.2	0.983	0.966	1.001	0.069	0.965	-0.006	-0.040	-2.37	-0.36
4	14.000	1.026	1053.87	1371.7	517.7	72.2	0.991	0.972	1.001	0.059	0.971	-0.002	-0.043	-2.53	-0.14
5	15.000	1.026	1054.27	1374.0	518.7	72.3	1.009	0.985	1.001	0.030	0.984	0.007	-0.042	-2.45	0.40
6	16.000	1.026	1054.58	1371.9	518.1	72.3	1.024	0.998	1.000	0.004	0.997	0.018	-0.035	-1.99	1.02
7	17.000	1.028	1055.66	1373.2	519.2	72.3	1.079	1.041	1.000	-0.081	1.040	0.025	-0.020	-1.12	1.39
8	18.000	1.028	1055.97	1372.8	519.1	72.3	1.112	1.066	1.000	-0.131	1.065	0.034	-0.007	-0.38	1.82
9	19.000	1.028	1056.01	1372.1	518.6	72.3	1.102	1.058	0.999	-0.118	1.058	0.038	-0.004	-0.22	2.08

TEST PART REXIO-6		ALFA	WING	Y	Z	ROW SURVEY	DATE	AEDC POPULATION WIND TUNNEL							
IC-484 396 2.995		-2.00	48	-7.00	-1.00	4-423	2-3-77	TRANSONIC 42							
POINT	X	M	YN	PT	Q	TT	ML	YNL/VN	PTL/PT	CPL	UL/VN	VL/VN	ML/VN	AAL	SNL
1	11.000	1.023	1051.28	1371.6	516.5	72.2	1.067	1.051	1.000	-0.102	1.050	0.007	-0.033	-1.79	0.39
2	12.000	1.023	1051.85	1372.3	517.0	72.3	0.989	0.972	1.000	0.056	0.971	-0.009	-0.036	-2.14	-0.54
3	13.000	1.025	1053.70	1373.5	518.3	72.3	0.991	0.964	1.001	0.074	0.963	-0.014	-0.040	-2.40	-0.85
4	14.000	1.024	1052.86	1372.1	517.4	72.3	0.979	0.963	1.001	0.075	0.962	-0.014	-0.048	-2.87	-0.81
5	15.000	1.026	1054.23	1372.0	518.0	72.2	1.015	0.991	1.001	0.018	0.989	0.006	-0.064	-3.72	0.33
6	16.000	1.029	1056.70	1374.0	519.9	72.3	1.062	1.026	0.999	-0.052	1.024	0.039	-0.049	-2.74	2.16
7	17.000	1.027	1055.20	1372.5	518.6	72.3	1.128	1.079	0.997	-0.160	1.077	0.055	-0.016	-0.84	2.91
8	18.000	1.027	1054.95	1372.4	518.4	72.3	1.104	1.131	0.997	-0.264	1.128	0.074	0.031	1.58	3.86
9	19.000	1.027	1055.30	1372.3	518.6	72.3	0.991	0.971	0.998	0.055	0.969	0.058	-0.017	-1.02	3.44

TEST PART REX10-6 ALPHA WING YT ZT RUN SURVEY DATE AEDC PROPELLANT WIND TUNNEL
TC-484 399 3.002 -2.01 40 0.00 -14.14 3-601 20-3-77 TRANSONIC 47

POINT	XY	M	VW	PT	Q	YT	ML	VWL/VW	PTL/PT	CPL	UT/VW	VT/VW	WT/VW	AATL	SWTL
7	-5.000	1.024	1047.16	1383.1	522.2	75.1	0.997	0.977	1.001	0.047	0.977	0.001	0.007	0.41	0.04
8	-5.500	1.028	1048.38	1383.5	523.0	75.2	0.998	0.976	1.000	0.048	0.976	0.001	0.007	0.41	0.04
9	-6.000	1.032	1049.61	1383.8	523.3	75.1	0.997	0.976	1.001	0.050	0.976	0.001	0.007	0.43	0.06
10	-6.500	1.036	1050.84	1384.2	523.9	75.2	0.995	0.975	1.001	0.052	0.975	0.001	0.007	0.43	0.06
11	-7.000	1.040	1052.07	1384.6	524.5	75.1	0.997	0.976	1.000	0.048	0.976	0.001	0.007	0.41	0.05
12	-7.500	1.024	1054.30	1382.8	521.9	75.2	0.996	0.976	1.001	0.049	0.976	0.001	0.007	0.42	0.05
13	-8.000	1.024	1057.46	1382.7	522.2	75.2	0.994	0.974	1.000	0.053	0.974	0.001	0.007	0.40	0.04
14	-8.500	1.024	1057.47	1382.5	522.5	75.1	0.995	0.975	1.000	0.051	0.975	0.001	0.007	0.40	0.06
15	-9.000	1.024	1057.14	1381.9	521.8	75.1	0.995	0.975	1.001	0.051	0.975	0.001	0.006	0.38	0.05
16	-9.500	1.024	1056.77	1382.7	522.9	75.0	0.998	0.972	1.000	0.056	0.972	0.001	0.006	0.35	0.06
17	-1.000	1.025	1056.35	1382.7	521.9	74.9	0.998	0.970	1.001	0.052	0.970	0.001	0.005	0.29	0.07
18	-0.500	1.024	1057.15	1382.5	522.0	75.0	0.994	0.966	1.001	0.070	0.966	0.001	0.004	0.23	0.06
19	0.000	1.026	1057.10	1382.4	522.0	75.0	0.983	0.965	1.000	0.071	0.965	0.001	0.003	0.17	0.06
20	0.500	1.025	1056.48	1383.1	521.9	75.0	0.982	0.965	1.000	0.071	0.965	0.001	0.001	0.09	0.06
21	1.000	1.024	1056.90	1382.2	521.8	75.0	0.981	0.964	1.001	0.074	0.964	0.001	0.000	0.03	0.06
22	1.500	1.024	1056.43	1381.5	521.4	75.0	0.984	0.966	1.001	0.069	0.966	0.001	-0.001	-0.14	0.05
23	2.000	1.025	1055.94	1382.7	521.5	75.1	0.986	0.969	1.000	0.063	0.969	0.001	-0.002	-0.24	0.05
24	2.500	1.025	1056.14	1382.7	521.6	75.2	0.987	0.970	1.001	0.062	0.970	0.001	-0.004	-0.31	0.04
25	3.000	1.025	1056.76	1382.0	521.4	75.1	0.986	0.968	1.001	0.065	0.968	0.001	-0.005	-0.40	0.06
26	3.500	1.025	1056.44	1382.1	521.5	75.2	0.997	0.969	1.001	0.064	0.969	0.001	-0.006	-0.40	0.06
27	4.000	1.024	1055.50	1382.2	521.1	75.2	0.990	0.972	1.001	0.057	0.972	0.001	-0.007	-0.40	0.06
28	4.500	1.024	1055.43	1382.3	521.1	75.2	0.991	0.973	1.001	0.054	0.973	0.001	-0.007	-0.42	0.07
29	5.000	1.024	1055.60	1382.8	521.4	75.2	0.995	0.976	1.001	0.048	0.976	0.001	-0.008	-0.46	0.06
30	5.500	1.023	1055.03	1382.7	521.0	75.2	0.998	0.979	1.001	0.043	0.979	0.001	-0.008	-0.46	0.06
31	6.000	1.025	1055.41	1383.2	521.9	75.1	1.001	0.980	1.000	0.040	0.980	0.001	-0.008	-0.46	0.06
32	6.500	1.024	1055.09	1382.8	521.1	75.1	1.001	0.982	1.000	0.037	0.982	0.001	-0.007	-0.43	0.06
33	7.000	1.024	1055.45	1383.1	521.7	75.1	1.004	0.983	1.001	0.035	0.983	0.001	-0.007	-0.40	0.06
34	7.500	1.024	1055.64	1382.7	521.4	75.1	1.007	0.986	1.001	0.029	0.986	0.001	-0.006	-0.37	0.06
35	8.000	1.024	1054.70	1382.2	521.2	74.9	1.011	0.989	1.001	0.023	0.989	0.001	-0.005	-0.38	0.06
36	8.500	1.023	1054.63	1382.3	520.9	74.9	1.014	0.992	1.001	0.016	0.992	0.001	-0.004	-0.33	0.06
37	9.000	1.024	1055.42	1381.5	520.9	74.9	1.020	0.997	1.001	0.008	0.997	0.001	-0.002	-0.21	0.06
38	9.500	1.025	1055.00	1382.8	521.7	74.9	1.026	1.000	1.000	-0.001	1.000	0.001	-0.001	-0.04	0.06
39	10.000	1.023	1054.50	1380.5	520.9	75.0	1.027	1.003	1.000	-0.004	1.003	0.001	0.003	0.17	0.06
40	10.500	1.025	1055.74	1382.7	521.5	75.0	1.034	1.008	1.000	-0.013	1.008	0.001	0.003	0.19	0.06
41	11.000	1.024	1055.10	1383.6	521.5	75.1	1.038	1.011	1.000	-0.022	1.011	0.001	0.006	0.22	0.06
42	11.500	1.024	1055.69	1382.8	521.3	75.2	1.042	1.014	1.000	-0.028	1.014	0.001	0.008	0.25	0.06
43	12.000	1.025	1056.27	1381.2	521.1	75.1	1.043	1.016	1.000	-0.028	1.016	0.001	0.010	0.27	0.06
44	12.500	1.025	1056.50	1382.4	521.4	75.2	1.049	1.019	1.000	-0.018	1.019	0.001	0.013	0.31	0.07
45	13.000	1.025	1056.49	1382.4	521.6	75.2	1.055	1.024	1.000	-0.016	1.024	0.001	0.013	0.29	0.06
46	13.500	1.024	1056.51	1383.2	521.6	75.2	1.053	1.024	1.000	-0.019	1.024	0.001	0.013	0.29	0.06
47	14.000	1.024	1054.50	1382.0	521.5	75.2	0.974	0.957	1.000	0.054	0.973	0.001	0.008	0.29	0.06
48	14.500	1.024	1057.55	1382.3	522.1	75.2	0.974	0.957	1.000	0.047	0.957	0.001	0.008	0.27	0.06
49	15.000	1.027	1058.06	1382.5	522.5	75.0	0.971	0.954	1.000	0.043	0.954	0.001	0.004	0.27	0.06
50	15.500	1.029	1059.26	1381.9	522.4	74.9	0.976	0.958	1.001	0.046	0.958	0.001	0.008	0.31	0.07

TEST PART		REF10-6	ALFA	WING	YT	2T	WING SURVEY	DATE		AEDC PROPUSSION WIND TUNNEL					
TC-484		396	3.002	-2.01	40	0.00	-14.14	2- 3-77		TRANSONIC 42					
POINT	XT	W	VM	PT	Q	FT	ML	VHL/VM	DTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	SVTL
51	16.400	1.026	1059.59	1302.6	523.2	75.0	0.978	0.958	1.000	0.084	0.958	0.001	0.006	0.36	0.06
52	16.500	1.026	1059.48	1302.5	523.2	74.9	0.983	0.963	1.001	0.075	0.963	0.001	0.007	0.42	0.08
53	17.000	1.029	1058.31	1301.6	522.7	75.0	0.988	0.967	1.001	0.068	0.967	0.001	0.008	0.47	0.06
54	17.500	1.027	1058.37	1302.0	522.7	75.1	0.997	0.975	1.001	0.051	0.975	0.001	0.009	0.52	0.06
55	18.000	1.024	1057.42	1303.4	522.5	75.1	1.001	0.980	1.020	0.041	0.980	0.001	0.009	0.55	0.06
57	18.500	1.027	1057.56	1302.7	522.3	75.1	1.007	0.984	1.001	0.032	0.984	0.001	0.010	0.56	0.05
58	19.000	1.027	1059.00	1302.0	522.3	75.1	1.014	0.990	1.000	0.021	0.990	0.001	0.011	0.54	0.06
59	19.500	1.028	1059.64	1303.4	523.4	75.4	1.024	0.996	1.001	0.010	0.996	0.001	0.012	0.71	0.07
60	20.400	1.027	1058.33	1303.6	522.8	75.5	1.030	1.002	1.000	-0.004	1.002	0.001	0.013	0.77	0.07
61	20.500	1.026	1057.17	1303.9	522.3	75.6	1.040	1.011	1.000	-0.023	1.011	0.001	0.015	0.85	0.07
62	21.000	1.026	1057.88	1304.1	522.7	75.7	1.049	1.018	1.000	-0.036	1.018	0.001	0.017	0.98	0.07
63	21.500	1.028	1058.95	1304.6	523.3	75.7	1.061	1.026	1.000	-0.053	1.026	0.001	0.020	1.11	0.06
64	22.000	1.027	1058.93	1304.0	523.1	75.7	1.072	1.035	1.000	-0.071	1.035	0.001	0.022	1.23	0.07
65	22.500	1.028	1059.14	1304.0	523.2	75.7	1.083	1.044	1.000	-0.088	1.044	0.001	0.026	1.42	0.05
66	23.000	1.028	1059.60	1304.3	523.5	75.8	1.098	1.053	1.000	-0.047	1.023	0.001	0.031	1.18	0.04
68	23.500	1.028	1059.47	1305.0	524.0	75.8	0.983	0.964	1.000	0.072	0.964	0.000	0.011	0.53	0.01
69	24.000	1.026	1060.41	1305.1	524.2	75.8	0.983	0.963	1.001	0.075	0.963	0.000	0.008	0.55	0.01

TEST PART PEX10-6 31PS KING YF 27 RUN SURVEY DATE 2-3-77 AEDC PROPUSSION WIND TUNNEL

TC-004 400 2.996 -2.01 40 10.00 -10.00 5-002

POINT	ST	M	VU	PT	O	TT	NL	VHL/VH	STL/ST	CPL	UT/VH	VT/VH	WT/VH	AATL	ENTL
4	-8.000	1.021	1053.40	1385.2	520.0	76.0	0.992	0.977	1.000	0.047	0.976	0.002	0.007	0.41	0.09
5	-5.500	1.021	1043.45	1385.3	520.0	76.1	0.991	0.976	1.001	0.049	0.976	0.001	0.001	0.06	0.04
6	-5.000	1.022	1044.80	1386.9	522.1	76.1	0.993	0.974	1.000	0.049	0.974	0.001	0.001	0.05	0.06
7	-4.500	1.021	1053.99	1386.9	521.7	76.1	0.990	0.974	1.001	0.052	0.974	0.001	0.001	0.05	0.03
8	-4.000	1.021	1054.08	1386.3	521.5	76.1	0.990	0.974	1.001	0.052	0.974	0.001	0.001	0.04	0.05
9	-3.500	1.022	1054.16	1385.3	521.3	76.1	0.991	0.975	1.001	0.052	0.975	0.001	0.001	0.04	0.03
10	-3.000	1.022	1054.69	1386.1	521.7	76.1	0.991	0.975	1.001	0.052	0.975	0.001	0.000	0.03	0.04
11	-2.500	1.022	1054.71	1387.2	522.2	76.1	0.991	0.975	1.000	0.051	0.976	0.001	0.000	0.00	0.04
12	-2.000	1.022	1054.71	1387.3	522.2	76.1	0.991	0.976	1.001	0.049	0.976	0.001	0.000	0.01	0.06
13	-1.500	1.022	1054.63	1386.9	522.0	76.0	0.997	0.972	1.001	0.057	0.972	0.002	-0.000	-0.02	0.00
14	-1.000	1.023	1055.77	1385.1	521.9	76.1	0.993	0.968	1.000	0.063	0.968	0.002	-0.001	-0.06	0.12
15	-0.500	1.024	1056.10	1385.5	522.2	76.1	0.994	0.967	1.001	0.066	0.967	0.003	-0.002	-0.08	0.14
16	0.000	1.024	1056.43	1387.3	523.2	76.1	0.995	0.968	1.001	0.070	0.968	0.003	-0.003	-0.10	0.17
17	0.500	1.023	1055.66	1386.2	522.3	76.0	0.991	0.966	1.001	0.070	0.966	0.004	-0.004	-0.21	0.21
18	1.000	1.023	1055.59	1385.3	521.9	76.1	0.992	0.966	1.000	0.069	0.966	0.004	-0.004	-0.21	0.23
19	1.500	1.024	1056.10	1385.7	522.3	76.1	0.994	0.967	1.001	0.067	0.967	0.005	-0.004	-0.24	0.28
20	2.000	1.022	1054.93	1386.2	521.9	76.1	0.993	0.968	1.001	0.065	0.968	0.006	-0.005	-0.31	0.33
21	2.500	1.023	1055.72	1385.4	521.8	76.1	0.996	0.970	1.000	0.060	0.970	0.007	-0.006	-0.36	0.38
22	3.000	1.023	1055.23	1386.0	521.9	76.1	0.996	0.971	1.001	0.059	0.971	0.007	-0.007	-0.40	0.40
23	3.500	1.023	1055.31	1387.3	522.0	76.1	0.997	0.971	1.001	0.059	0.971	0.008	-0.008	-0.46	0.44
24	4.000	1.024	1057.09	1386.0	523.6	76.1	0.993	0.972	1.000	0.057	0.972	0.008	-0.009	-0.51	0.48
25	4.500	1.023	1055.46	1384.9	521.6	76.1	0.989	0.972	1.002	0.058	0.972	0.008	-0.009	-0.53	0.48
26	5.000	1.023	1055.46	1384.9	521.6	76.1	0.989	0.973	1.002	0.054	0.973	0.008	-0.009	-0.53	0.48
27	5.500	1.024	1054.49	1385.5	522.3	76.2	0.991	0.973	1.001	0.054	0.973	0.008	-0.009	-0.53	0.48
28	6.000	1.022	1054.91	1385.2	521.5	76.2	0.994	0.977	1.001	0.047	0.977	0.008	-0.009	-0.53	0.46
29	6.500	1.023	1045.29	1386.5	523.1	76.3	0.998	0.980	1.001	0.040	0.980	0.008	-0.009	-0.53	0.48
30	7.000	1.023	1053.56	1386.4	522.2	76.1	1.004	0.984	1.001	0.032	0.984	0.007	-0.009	-0.50	0.43
31	7.500	1.024	1056.28	1385.3	522.2	76.1	1.008	0.987	1.001	0.028	0.987	0.007	-0.009	-0.52	0.39
32	8.000	1.024	1055.94	1386.0	522.3	76.1	1.015	0.993	1.001	0.015	0.993	0.006	-0.008	-0.47	0.36
33	8.500	1.024	1056.38	1385.5	522.3	76.3	1.018	0.996	1.001	0.010	0.996	0.005	-0.008	-0.44	0.31
34	9.000	1.023	1055.46	1385.1	521.7	76.2	1.021	0.998	1.001	0.004	0.998	0.005	-0.008	-0.44	0.31
35	9.500	1.024	1055.94	1386.2	522.4	76.1	1.023	1.000	1.000	0.001	1.000	0.005	-0.006	-0.37	0.27
36	10.000	1.023	1055.84	1386.2	522.3	76.2	1.025	1.002	1.000	0.001	1.000	0.003	-0.006	-0.32	0.19
37	10.500	1.025	1057.15	1386.0	522.8	76.2	1.028	1.003	1.001	0.002	1.001	0.003	-0.004	-0.31	0.18
38	11.000	1.025	1057.30	1385.7	523.0	76.2	1.030	1.007	1.000	0.003	1.007	0.001	-0.002	-0.12	0.07
39	11.500	1.025	1057.47	1387.2	523.4	76.3	1.041	1.014	1.000	0.028	1.014	0.002	0.000	0.01	0.08
40	12.000	1.025	1057.05	1386.0	522.9	76.2	1.046	1.017	1.001	0.034	1.017	0.002	0.002	0.09	0.13
41	12.500	1.026	1057.92	1386.7	523.9	76.2	1.051	1.021	1.001	0.041	1.021	0.003	0.003	0.13	0.23
42	13.000	1.026	1057.75	1386.0	523.1	76.2	1.047	1.025	1.000	0.030	1.025	0.004	0.004	0.23	0.28
43	13.500	1.027	1058.00	1385.3	523.4	76.3	1.041	1.031	1.000	0.022	1.031	0.004	0.002	0.14	0.25
44	14.000	1.027	1059.31	1385.7	523.7	76.3	1.047	1.031	1.000	0.065	1.031	0.004	0.002	0.18	0.31
45	14.500	1.027	1059.18	1387.0	524.1	76.4	0.973	0.956	1.000	0.088	0.956	0.002	0.003	0.31	0.39
46	15.000	1.021	1059.65	1384.1	524.7	76.4	0.972	0.958	1.000	0.080	0.958	0.002	0.004	0.30	0.40
47	15.500	1.020	1059.57	1386.6	524.1	76.3	0.974	0.956	1.001	0.080	0.956	0.001	0.003	0.30	0.40

TEST PART MEX10-6 ALPS WING VT 27 RUN SURVEY DATE 20-3-77 AEDC PROPELLION WIND TUNNEL
 TC-404 400 3.996 -2.01 40 10.00 -10.00 S-502

POINT	XT	M	YU	PT	O	TT	WL	VWL/VH	PTL/PT	CPL	UT/VH	VT/VH	WT/VH	AATL	SWTL
48	16.000	1.028	1059.97	1364.2	524.2	76.2	0.977	0.958	1.000	0.084	0.958	-0.000	-0.004	-0.23	-0.01
49	16.500	1.028	1040.19	1366.4	524.4	76.3	0.984	0.964	1.000	0.073	0.964	-0.001	-0.003	-0.17	-0.06
50	17.000	1.030	1041.24	1366.9	525.0	76.3	0.988	0.967	1.000	0.067	0.967	-0.002	-0.003	-0.10	-0.11
51	17.400	1.028	1046.52	1368.3	524.0	76.2	0.996	0.974	1.001	0.052	0.974	-0.003	-0.001	-0.06	-0.18
52	18.000	1.028	1050.41	1385.1	524.0	76.3	1.004	0.980	1.001	0.042	0.980	-0.004	0.001	0.06	-0.20
54	18.500	1.029	1051.21	1388.2	525.4	76.4	1.017	0.980	1.000	0.031	0.980	-0.005	0.003	0.16	-0.27
55	19.000	1.027	1056.04	1397.9	524.3	76.4	1.026	1.002	1.001	-0.003	1.002	-0.005	0.004	0.24	-0.29
56	19.500	1.027	1059.34	1395.8	523.6	76.4	1.042	1.012	1.001	-0.022	1.012	-0.006	0.006	0.32	-0.31
57	20.000	1.028	1059.57	1396.2	524.0	76.4	1.059	1.025	1.000	-0.049	1.025	-0.007	0.008	0.47	-0.39
58	20.500	1.027	1058.89	1397.8	524.2	76.4	1.064	1.030	1.000	-0.060	1.030	-0.007	0.010	0.53	-0.41
59	21.000	1.027	1058.43	1397.1	524.2	76.3	1.070	1.034	1.000	-0.067	1.034	-0.008	0.011	0.59	-0.46
60	21.500	1.029	1060.73	1396.5	524.7	76.2	1.078	1.039	1.000	-0.078	1.039	-0.010	0.013	0.70	-0.54
61	22.000	1.028	1060.24	1385.2	524.0	76.2	1.051	1.018	1.000	-0.036	1.018	-0.008	0.009	0.56	-0.46
62	22.500	1.029	1060.84	1386.7	524.8	76.1	0.999	0.976	0.999	0.008	0.976	-0.005	0.002	0.10	-0.29
63	23.000	1.030	1061.14	1386.9	525.0	76.2	1.001	0.977	1.001	0.007	0.977	-0.004	-0.000	-0.01	-0.26
65	23.500	1.028	1060.21	1395.7	524.1	76.3	0.993	0.971	1.001	0.048	0.971	-0.005	-0.000	-0.01	-0.39
66	24.000	1.029	1060.28	1396.2	524.4	76.1	0.984	0.965	1.001	0.070	0.965	-0.006	0.001	0.04	-0.35

TEST PART DESIGN-6 ALPHA WING TV ST ROW SURVEY
 IC-484 401 2,900 -2.01 40 -10.00 -10.00 S-603

DATE
 2-3-77

AEOC PROPULSION WIND TUNNEL
 TRANSONIC 48

POINT	XT	M	VM	PT	Q	ST	PL	VVL/VM	PTL/PT	CPL	UT/VM	VT/VM	WT/VM	AATL	AMT2
3	-4.000	1.023	1055.78	1385.7	522.1	76.1	0.993	0.977	1.001	0.048	0.977	0.001	0.000	0.00	0.07
4	-4.000	1.023	1055.73	1385.0	522.0	76.1	0.993	0.976	1.000	0.049	0.976	0.002	0.005	0.31	0.09
5	-2.000	1.024	1055.45	1386.4	522.6	76.2	0.992	0.974	1.000	0.052	0.974	0.001	0.004	0.26	0.04
6	0.000	1.022	1055.70	1386.6	521.1	76.2	0.992	0.967	1.001	0.067	0.967	-0.001	0.002	0.15	-0.09
7	2.000	1.023	1055.68	1386.1	522.1	76.3	0.994	0.968	1.000	0.064	0.968	-0.004	-0.000	-0.21	-0.21
8	4.000	1.023	1055.03	1386.1	523.0	76.3	0.997	0.971	1.000	0.059	0.971	-0.007	-0.004	-0.23	-0.38
9	6.000	1.021	1053.98	1386.9	521.6	76.4	0.994	0.976	1.001	0.045	0.976	-0.006	-0.005	-0.27	-0.37
10	8.000	1.021	1054.32	1386.2	521.5	76.3	1.011	0.991	1.001	0.018	0.991	-0.005	-0.004	-0.24	-0.28
11	10.000	1.022	1054.58	1386.5	521.7	76.4	1.021	1.000	1.000	0.001	1.000	-0.001	-0.001	-0.04	-0.06
12	12.000	1.023	1055.48	1387.6	522.5	76.4	1.035	1.018	1.001	-0.035	1.018	0.005	0.005	0.20	0.20
13	14.000	1.024	1056.89	1388.2	523.5	76.3	0.975	0.960	1.000	0.070	0.960	0.002	0.000	0.01	0.10
14	16.000	1.025	1057.90	1385.9	523.0	76.4	0.978	0.961	1.000	0.078	0.961	0.002	0.000	0.02	0.13
15	18.000	1.029	1041.24	1387.1	525.0	76.4	1.004	0.980	1.001	0.042	0.980	0.005	0.004	0.26	0.31
20	20.000	1.029	1061.05	1387.7	525.2	76.4	1.054	1.020	1.000	-0.040	1.020	0.009	0.012	0.67	0.81
27	22.000	1.029	1060.64	1387.5	524.9	76.5	1.056	1.022	0.999	-0.044	1.021	0.010	0.011	0.59	0.84
28	24.000	1.029	1061.30	1387.6	525.3	76.4	0.995	0.972	1.001	0.057	0.972	0.007	0.008	0.28	0.41

TEST PART NO10-6 ALPA W14C Y Z RUN SURVEY
 TC-484 403 2.998 -5.00 40 0.00 -5.00 4.001 DATE 2-3-77 AEDC PRODUCTION WIND TUNNEL
 TRANSONIC 62

POINT	X	W	VM	PT	Q	ZY	ML	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	VL/VH	ALL	SVL
5	9.400	1.022	1055.14	1387.8	522.4	76.3	1.116	1.074	0.999	-0.148	1.071	-0.001	-0.074	-3.59	-0.06
6	9.464	1.022	1055.03	1388.3	522.5	76.3	1.116	1.070	0.999	-0.140	1.067	-0.001	-0.074	-3.56	-0.06
7	10.333	1.022	1055.40	1387.1	522.2	76.6	1.081	1.057	0.999	-0.094	1.044	-0.001	-0.077	-4.21	-0.08
8	11.100	1.022	1055.24	1387.0	522.1	76.6	0.984	0.977	1.000	0.046	0.973	-0.002	-0.085	-5.00	-0.11
9	11.666	1.022	1055.47	1388.2	522.6	76.7	0.992	0.976	1.000	0.049	0.972	-0.002	-0.085	-5.03	-0.12
10	12.333	1.023	1056.32	1387.7	522.9	76.6	1.004	0.985	1.001	0.032	0.991	-0.002	-0.080	-4.84	-0.11
11	13.000	1.023	1056.42	1387.9	522.9	76.7	1.017	0.995	1.001	0.012	0.992	-0.002	-0.073	-4.28	-0.13
12	13.666	1.023	1055.54	1387.2	522.4	76.7	1.038	1.001	1.001	-0.002	0.999	-0.002	-0.065	-3.70	-0.19
13	14.333	1.025	1056.16	1386.8	523.4	76.7	1.038	1.010	1.001	-0.020	1.009	-0.002	-0.058	-3.28	-0.19
14	15.000	1.024	1056.23	1387.9	523.8	76.7	1.058	1.028	1.001	-0.051	1.025	-0.001	-0.051	-2.95	-0.07
15	15.666	1.025	1056.12	1387.5	523.6	76.7	1.073	1.038	1.001	-0.074	1.037	-0.001	-0.048	-2.57	-0.07
16	16.333	1.026	1056.93	1387.7	524.1	76.7	1.091	1.051	1.000	-0.103	1.051	-0.001	-0.037	-2.04	-0.04
17	17.000	1.027	1059.58	1387.4	524.3	76.6	1.108	1.065	0.999	-0.130	1.054	-0.001	-0.031	-1.66	-0.04
18	17.666	1.026	1060.28	1387.0	524.4	76.7	1.128	1.078	0.999	-0.157	1.078	-0.000	-0.025	-1.31	-0.01
19	18.333	1.028	1060.14	1387.8	524.7	76.7	1.145	1.092	0.998	-0.184	1.091	0.000	-0.018	-0.97	0.01
20	19.000	1.026	1061.05	1387.7	525.0	76.7	1.169	1.109	0.997	-0.219	1.109	0.000	-0.010	-0.50	0.01

TEST	PART	REXIN-6	ALFA	WING	Y	2	RUN SURVEY	DATE	AEDC PROPOSITION WIND TUNNEL						
TC-484	407	2,098	-5.00	48	0.00	-3.00	4-405	3-3-77	TRANSONIC 47						
POINT	X	M	W	PT	Q	TT	WL	VML/VH	PTL/ST	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
1	9.000	1.023	1055.86	1387.8	522.6	76.7	1.136	1.083	0.999	-0.167	1.080	-0.013	-0.001	-1.27	-0.01
2	9.333	1.022	1055.75	1387.7	522.3	76.9	1.112	1.070	1.000	-0.140	1.068	0.001	-0.001	-1.59	0.07
3	9.666	1.022	1055.15	1387.6	522.2	76.7	1.085	1.050	0.999	-0.101	1.048	0.001	-0.069	-3.78	0.07
4	10.000	1.022	1055.62	1388.1	522.6	76.7	1.062	1.032	1.000	-0.064	1.030	0.001	-0.071	-3.94	0.06
5	10.333	1.023	1055.77	1388.0	522.7	76.7	1.031	1.007	1.000	-0.014	1.004	0.001	-0.074	-3.73	0.03
6	10.666	1.023	1055.35	1387.2	522.7	76.7	1.010	0.990	1.001	0.022	0.987	0.001	-0.077	-4.45	0.04
7	11.000	1.023	1055.84	1386.6	522.3	76.7	1.006	0.985	1.001	0.032	0.982	0.000	-0.077	-5.31	0.02
8	11.333	1.024	1054.72	1387.9	523.0	76.7	1.007	0.987	1.001	0.028	0.984	0.001	-0.075	-5.38	0.03
9	11.666	1.023	1056.02	1388.1	523.0	76.0	1.016	0.994	1.001	0.013	0.992	0.000	-0.072	-4.18	0.03
10	12.000	1.025	1057.85	1389.7	524.2	76.0	1.022	0.998	1.000	0.009	0.996	0.000	-0.068	-3.91	0.02
11	12.333	1.024	1057.44	1389.7	524.0	76.9	1.030	1.005	1.001	-0.007	1.003	0.000	-0.063	-3.63	0.02
12	12.666	1.024	1057.23	1389.3	523.4	76.0	1.029	1.004	1.001	-0.007	1.002	0.001	-0.058	-3.32	0.03
13	13.000	1.024	1057.33	1388.3	523.4	76.8	1.037	1.010	1.001	-0.019	1.009	0.000	-0.055	-3.12	0.03
14	13.333	1.023	1056.08	1388.5	523.0	76.7	1.043	1.015	1.001	-0.029	1.014	0.001	-0.051	-2.87	0.03
15	13.666	1.025	1057.76	1387.0	523.2	76.8	1.044	1.022	1.000	-0.044	1.021	0.000	-0.048	-2.67	0.01
16	14.000	1.025	1057.07	1387.8	523.5	76.8	1.044	1.031	1.001	-0.061	1.030	0.001	-0.044	-2.44	0.03
17	14.333	1.025	1057.07	1387.8	523.5	76.9	1.073	1.038	1.000	-0.075	1.037	0.001	-0.040	-2.20	0.07
18	14.666	1.024	1058.00	1389.0	524.0	76.9	1.081	1.044	1.000	-0.089	1.044	0.001	-0.035	-1.94	0.06
19	15.000	1.025	1057.87	1387.7	523.5	76.9	1.090	1.051	1.001	-0.102	1.051	0.001	-0.032	-1.72	0.06
20	15.333	1.025	1057.71	1388.1	523.6	76.8	1.099	1.059	1.000	-0.117	1.058	0.001	-0.027	-1.47	0.08
21	15.666	1.026	1058.99	1388.2	524.1	76.0	1.110	1.067	1.000	-0.134	1.067	0.002	-0.023	-1.28	0.10
22	16.000	1.027	1058.84	1389.1	525.0	76.8	1.120	1.072	0.999	-0.145	1.072	0.002	-0.020	-1.05	0.12
23	16.333	1.026	1058.77	1389.7	524.5	76.9	1.127	1.080	0.999	-0.160	1.080	0.003	-0.016	-0.85	0.18
24	16.666	1.026	1058.94	1387.9	524.1	76.7	1.137	1.086	0.998	-0.173	1.086	0.003	-0.013	-0.68	0.16
25	17.000	1.027	1058.73	1387.5	524.3	76.0	1.145	1.092	0.999	-0.184	1.092	0.003	-0.010	-0.50	0.16
26	17.333	1.028	1060.42	1389.0	525.3	76.8	1.156	1.099	0.998	-0.199	1.099	0.003	-0.009	-0.38	0.14
27	17.666	1.028	1060.07	1389.0	525.1	76.8	1.167	1.108	0.998	-0.216	1.108	0.003	-0.001	-0.23	0.13
28	18.000	1.027	1058.68	1387.4	524.3	76.7	1.176	1.115	0.997	-0.231	1.115	0.003	-0.004	-0.19	0.13
29	18.000	1.028	1060.99	1387.6	524.6	76.0	1.197	1.123	0.996	-0.249	1.123	0.003	-0.000	-0.06	0.17
30	18.333	1.028	1061.07	1387.6	524.6	76.8	1.197	1.129	0.996	-0.261	1.129	0.003	-0.000	-0.06	0.17
31	18.666	1.028	1061.50	1389.0	526.1	76.8	1.205	1.135	0.995	-0.272	1.135	0.003	-0.000	-0.06	0.17
32	19.000	1.028	1061.50	1389.0	526.1	76.8	1.205	1.135	0.995	-0.272	1.135	0.003	-0.000	-0.06	0.17

TEST PART		REFID-6	ALFA		WING	Y	2		DNW SURVEY		DATE		AEDC PROPUSSION WIND TUNNEL		TRANSONIC	
TC-484		408	2.895	-5.00	48	0.00	-2.00	-2.00	4.406	4.406	2- 4-77					
POINT	X	M	Tu	DT	TT	ML	WVL/VH	PTI/PT	CPL	DL/VH	VL/VH	WL/VH	AAL	SWL		
1	9.000	1.021	1054.08	1387.3	521.7	1.104	1.066	1.000	-0.132	1.065	0.002	-0.034	-2.93	0.09		
2	9.333	1.022	1054.54	1387.2	522.6	1.099	1.061	0.999	-0.134	1.060	0.002	-0.033	-2.94	0.12		
3	9.666	1.022	1054.85	1389.8	523.3	1.097	1.059	1.000	-0.119	1.058	0.002	-0.030	-2.72	0.11		
4	10.000	1.022	1055.38	1389.2	522.9	1.098	1.053	1.000	-0.104	1.051	0.002	-0.049	-2.66	0.10		
5	10.333	1.022	1055.32	1388.3	522.5	1.095	1.043	1.001	-0.084	1.041	0.002	-0.048	-2.64	0.10		
6	10.666	1.024	1057.23	1389.5	523.4	1.060	1.029	1.001	-0.057	1.028	0.002	-0.047	-2.63	0.09		
7	11.000	1.023	1056.36	1380.3	523.7	1.053	1.024	1.000	-0.048	1.023	0.001	-0.044	-2.44	0.07		
8	11.333	1.023	1056.70	1389.6	523.6	1.056	1.026	1.002	-0.050	1.025	0.001	-0.041	-2.27	0.05		
9	11.666	1.023	1056.46	1387.8	522.8	1.063	1.031	1.001	-0.051	1.031	0.001	-0.037	-2.06	0.05		
10	12.000	1.024	1057.12	1388.1	523.3	1.072	1.039	1.001	-0.075	1.039	0.001	-0.033	-1.81	0.04		
11	12.333	1.025	1057.93	1389.1	523.7	1.081	1.044	1.001	-0.087	1.044	0.001	-0.029	-1.60	0.06		
12	12.666	1.024	1057.24	1389.1	523.7	1.087	1.050	1.001	-0.099	1.049	0.001	-0.027	-1.48	0.07		
13	13.000	1.026	1057.91	1388.0	524.3	1.095	1.055	1.001	-0.109	1.055	0.001	-0.025	-1.33	0.07		
14	13.333	1.025	1057.80	1399.2	524.0	1.098	1.058	1.001	-0.114	1.057	0.001	-0.022	-1.18	0.08		
15	13.666	1.025	1057.64	1388.9	524.1	1.102	1.060	1.001	-0.120	1.060	0.002	-0.020	-1.06	0.10		
16	14.000	1.025	1057.95	1388.0	523.9	1.106	1.064	1.001	-0.127	1.064	0.002	-0.018	-0.97	0.11		
17	14.333	1.025	1058.38	1388.6	524.0	1.110	1.067	1.001	-0.132	1.067	0.002	-0.016	-0.84	0.11		
18	14.666	1.026	1058.55	1388.9	524.3	1.113	1.069	1.001	-0.136	1.069	0.002	-0.014	-0.77	0.13		
19	15.000	1.026	1058.50	1388.9	524.3	1.116	1.071	1.000	-0.141	1.071	0.003	-0.013	-0.68	0.15		
20	15.333	1.025	1058.02	1387.3	523.4	1.117	1.073	1.001	-0.144	1.073	0.003	-0.011	-0.59	0.15		
21	15.666	1.025	1057.67	1388.0	523.4	1.121	1.076	1.001	-0.151	1.076	0.003	-0.010	-0.51	0.18		
22	16.000	1.028	1060.37	1389.7	525.4	1.124	1.076	0.999	-0.151	1.076	0.004	-0.008	-0.42	0.22		
23	16.333	1.026	1058.84	1388.1	524.2	1.127	1.079	1.000	-0.157	1.079	0.004	-0.007	-0.35	0.24		
24	16.666	1.027	1059.47	1389.5	524.9	1.131	1.087	0.999	-0.163	1.081	0.005	-0.006	-0.28	0.25		
25	17.000	1.027	1059.19	1388.2	524.7	1.138	1.087	0.998	-0.175	1.087	0.005	-0.004	-0.21	0.25		
26	17.333	1.026	1059.01	1388.4	524.7	1.144	1.092	0.998	-0.185	1.082	0.005	-0.003	-0.15	0.26		
27	17.666	1.028	1061.31	1388.4	525.3	1.152	1.095	0.997	-0.193	1.095	0.005	-0.002	-0.11	0.28		
28	18.000	1.028	1060.31	1388.6	525.0	1.159	1.102	0.996	-0.206	1.102	0.005	-0.001	-0.07	0.28		
29	18.333	1.027	1060.22	1389.7	525.2	1.164	1.106	0.995	-0.216	1.106	0.006	-0.001	-0.01	0.29		
30	18.666	1.028	1060.57	1389.7	525.5	1.155	1.099	0.995	-0.203	1.099	0.007	-0.001	-0.26	0.28		
31	19.000	1.031	1059.56	1368.1	524.8	1.112	1.067	0.996	-0.139	1.067	0.008	-0.014	-0.74	0.01		

TEST PART RZ10-6 ALFA WING Y 2 PIN SURVEY DATE AEDC PROPULSION WIND TUNNEL
 TC-484 404 2.966 -5.00 46 2.00 -5.00 4-402 2-3-77 TRANSONIC 47

POINT	Z	M	V ₀	PT	Q	TT	WL	V ₀ /V ₀	PTI/PT	CPL	UL/V ₀	VL/V ₀	WL/V ₀	AAL	AWL
2	10.333	1.022	1045.36	1387.8	522.4	76.8	1.118	1.076	1.000	-0.151	1.073	-0.001	-0.074	-3.96	-0.07
3	11.000	1.022	1045.20	1387.3	522.1	76.7	0.985	0.978	1.000	0.046	0.973	-0.004	-0.094	-5.96	-0.34
4	11.666	1.022	1045.38	1386.7	522.0	76.7	0.849	0.973	1.000	0.035	0.968	-0.007	-0.095	-8.61	-0.41
5	12.333	1.024	1047.31	1387.3	523.1	76.7	1.005	0.984	1.001	0.033	0.980	-0.009	-0.091	-3.31	-0.53
6	13.000	1.026	1049.40	1388.6	524.1	76.7	1.037	0.993	1.001	0.015	0.989	-0.012	-0.084	-4.86	-0.71
7	13.666	1.023	1055.95	1387.0	522.4	76.6	1.037	1.003	1.001	-0.005	1.000	-0.014	-0.076	-4.36	-0.81
8	14.333	1.024	1057.21	1387.3	523.1	76.7	1.039	1.012	1.000	-0.023	1.009	-0.015	-0.068	-3.89	-0.89
9	15.000	1.027	1059.20	1388.8	524.6	76.7	1.061	1.027	1.000	-0.054	1.025	-0.016	-0.060	-3.34	-0.99
10	15.666	1.027	1059.15	1388.7	524.5	76.7	1.074	1.038	1.000	-0.078	1.036	-0.015	-0.053	-2.94	-0.88
11	16.333	1.027	1059.43	1387.5	524.2	76.7	1.094	1.053	1.000	-0.106	1.052	-0.015	-0.045	-2.47	-0.84
12	17.000	1.027	1059.98	1387.2	524.3	76.8	1.113	1.067	1.000	-0.134	1.066	-0.015	-0.036	-2.04	-0.79
13	17.666	1.028	1060.41	1388.6	525.0	76.8	1.131	1.081	0.999	-0.162	1.080	-0.014	-0.032	-1.67	-0.74
14	18.333	1.028	1060.94	1388.5	525.7	76.7	1.151	1.095	0.996	-0.190	1.094	-0.013	-0.024	-1.24	-0.68
15	19.000	1.028	1061.48	1388.2	524.7	76.7	1.173	1.111	0.997	-0.223	1.111	-0.011	-0.015	-0.77	-0.57

TEST	PART	REX10-6	ALFA	WING	Y	Z	MIN SURVEY	DATE	AEDC PROPLUSTION WIND TUNNEL	TRANSONIC 42					
TC-484	400	2.998	-5.00	40	2.00	-3.00	4.407	2- 4-77							
POINT	X	Y	Vx	PT	Q	TT	WL	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
2	10.000	1.024	1046.87	1398.0	523.2	76.8	1.000	1.045	1.000	-0.000	1.041	-0.013	-0.003	-4.58	-0.69
3	10.333	1.024	1047.89	1398.4	523.0	76.8	1.023	1.014	0.999	-0.028	1.010	-0.011	-0.000	-5.07	-0.64
4	10.666	1.025	1051.95	1398.3	524.2	76.8	1.008	0.984	1.000	0.027	0.982	-0.011	-0.004	-5.49	-0.62
5	11.000	1.024	1047.17	1390.1	524.1	76.7	0.999	0.979	1.000	0.041	0.974	-0.012	-0.007	-5.69	-0.71
6	11.333	1.023	1056.45	1387.0	522.6	76.7	1.001	0.981	1.001	0.038	0.977	-0.015	-0.007	-5.69	-0.87
7	11.666	1.024	1057.03	1386.6	522.5	76.8	1.003	0.980	1.001	0.023	0.984	-0.018	-0.005	-5.51	-1.03
8	12.000	1.025	1057.54	1388.9	523.9	76.9	1.037	1.001	1.000	-0.001	0.996	-0.020	-0.000	-5.17	-1.17
9	12.333	1.025	1057.94	1391.2	524.9	76.7	1.037	1.009	1.001	-0.018	1.006	-0.023	-0.005	-4.82	-1.30
10	12.666	1.025	1057.47	1387.4	523.3	76.7	1.037	1.010	1.001	-0.019	1.007	-0.025	-0.007	-4.46	-1.41
11	13.000	1.025	1057.56	1387.0	523.1	76.7	1.048	1.016	1.000	-0.037	1.016	-0.026	-0.007	-3.99	-1.48
12	13.333	1.025	1057.84	1389.5	523.0	76.7	1.065	1.032	1.000	-0.064	1.030	-0.027	-0.066	-3.67	-1.40
13	13.666	1.026	1058.84	1387.8	524.1	76.7	1.076	1.040	1.000	-0.079	1.038	-0.028	-0.060	-3.33	-1.48
14	14.000	1.026	1058.99	1388.2	524.2	76.8	1.096	1.048	1.000	-0.095	1.046	-0.026	-0.055	-3.03	-1.62
15	14.333	1.026	1058.49	1389.2	524.0	76.8	1.092	1.052	1.000	-0.105	1.051	-0.025	-0.051	-2.77	-1.30
16	14.666	1.025	1047.85	1389.1	524.0	76.8	1.101	1.060	1.000	-0.119	1.059	-0.024	-0.046	-2.48	-0.31
17	15.000	1.024	1050.22	1389.6	524.0	76.8	1.108	1.065	0.999	-0.129	1.063	-0.024	-0.042	-2.26	-0.62
18	15.333	1.024	1048.75	1389.9	524.4	76.8	1.114	1.069	1.000	-0.138	1.068	-0.023	-0.037	-1.96	-1.20
19	15.666	1.028	1060.16	1388.9	525.0	76.9	1.126	1.077	0.999	-0.154	1.076	-0.022	-0.031	-1.66	-1.15
20	16.000	1.026	1058.70	1388.0	524.3	76.9	1.131	1.077	0.999	-0.165	1.076	-0.020	-0.028	-1.46	-0.88
21	16.333	1.027	1059.46	1389.1	524.7	76.9	1.137	1.086	0.999	-0.173	1.086	-0.020	-0.023	-1.21	-0.60
22	16.666	1.028	1060.11	1389.8	525.0	76.8	1.146	1.092	0.999	-0.195	1.092	-0.018	-0.014	-0.95	-0.34
23	17.000	1.028	1060.50	1388.6	525.1	76.8	1.153	1.097	0.998	-0.198	1.097	-0.016	-0.010	-0.73	-0.06
24	17.333	1.027	1059.96	1387.9	524.6	76.8	1.162	1.109	0.998	-0.210	1.105	-0.015	-0.009	-0.47	-0.76
25	17.666	1.028	1060.50	1389.2	525.0	76.7	1.173	1.112	0.998	-0.225	1.112	-0.014	-0.003	-0.18	-0.71
26	18.000	1.028	1060.10	1388.2	524.9	76.7	1.183	1.120	0.998	-0.241	1.119	-0.012	-0.003	0.13	-0.63
27	18.333	1.027	1059.89	1387.6	524.5	76.7	1.196	1.130	0.998	-0.261	1.130	-0.011	-0.011	0.55	-0.55
28	18.666	1.029	1061.34	1387.1	524.9	76.8	1.208	1.137	0.993	-0.276	1.137	-0.009	0.019	0.92	-0.47
30	19.000	1.029	1061.42	1388.0	525.5	76.9	1.211	1.139	0.993	-0.283	1.139	-0.008	0.021	1.06	-0.32

TEST PART		ALPHA		WING		Y		Z		SURVEY		DATE		AEC PROPUSSION WIND TUNNEL		TRANSONIC AT	
TC-484		610		2.395		-3.00		2.00		-2.00		2-4-77					
POINT	X	M	VU	PT	Q	TT	ML	VUL/VH	PTT/PT	CPL	UL/VH	VL/VH	VZ/VH	VL/VH	VL/VH	VL/VH	SVL
1	10.000	1.022	1054.12	1300.5	523.5	76.8	1.059	1.030	1.000	-0.060	1.026	-0.017	-0.092	-0.017	-0.092	-0.092	-0.092
2	10.333	1.023	1056.53	1300.5	523.2	76.8	1.023	1.000	0.999	-0.001	0.995	-0.015	-0.098	-0.015	-0.098	-0.098	-0.098
3	10.666	1.023	1054.08	1300.8	523.0	76.9	1.003	0.984	1.001	0.033	0.979	-0.017	-0.103	-0.017	-0.103	-0.103	-0.103
4	11.000	1.024	1056.54	1301.1	523.6	76.9	1.003	0.984	1.001	0.033	0.979	-0.017	-0.103	-0.017	-0.103	-0.103	-0.103
5	11.333	1.023	1054.08	1301.5	522.5	76.9	1.015	0.994	1.001	0.014	0.988	-0.026	-0.105	-0.026	-0.105	-0.105	-0.105
6	11.666	1.023	1056.64	1300.9	523.3	76.9	1.034	1.008	1.001	-0.016	1.003	-0.031	-0.099	-0.031	-0.099	-0.099	-0.099
7	12.000	1.024	1057.07	1300.5	523.2	77.0	1.045	1.017	1.001	-0.032	1.012	-0.036	-0.091	-0.036	-0.091	-0.091	-0.091
8	12.333	1.024	1057.58	1300.2	523.5	77.0	1.049	1.020	1.000	-0.039	1.016	-0.035	-0.080	-0.035	-0.080	-0.080	-0.080
9	12.666	1.025	1059.09	1301.1	524.9	77.0	1.058	1.027	0.999	-0.054	1.024	-0.035	-0.071	-0.035	-0.071	-0.071	-0.071
10	13.000	1.024	1057.57	1300.5	524.2	77.0	1.070	1.036	1.000	-0.073	1.034	-0.032	-0.063	-0.032	-0.063	-0.063	-0.063
11	13.333	1.025	1057.78	1300.4	523.7	76.9	1.080	1.044	1.000	-0.087	1.042	-0.034	-0.057	-0.034	-0.057	-0.057	-0.057
12	13.666	1.026	1059.91	1300.6	524.7	76.9	1.096	1.055	0.999	-0.111	1.054	-0.031	-0.051	-0.031	-0.051	-0.051	-0.051
13	14.000	1.024	1059.76	1300.3	524.5	76.9	1.104	1.061	1.000	-0.123	1.060	-0.030	-0.046	-0.030	-0.046	-0.046	-0.046
14	14.333	1.024	1059.26	1300.5	524.7	77.0	1.107	1.064	0.999	-0.128	1.062	-0.027	-0.040	-0.027	-0.040	-0.040	-0.040
15	14.666	1.024	1059.26	1300.7	524.4	77.0	1.117	1.073	0.999	-0.146	1.072	-0.026	-0.035	-0.026	-0.035	-0.035	-0.035
16	15.000	1.027	1059.43	1300.6	525.2	77.0	1.129	1.080	0.999	-0.161	1.080	-0.023	-0.030	-0.023	-0.030	-0.030	-0.030
17	15.333	1.026	1058.76	1300.5	524.6	76.9	1.141	1.090	0.999	-0.179	1.089	-0.021	-0.024	-0.021	-0.024	-0.024	-0.024
18	15.666	1.027	1059.11	1300.2	524.6	77.0	1.143	1.092	0.998	-0.185	1.092	-0.021	-0.019	-0.021	-0.019	-0.019	-0.019
19	16.000	1.027	1059.91	1300.7	525.0	77.0	1.153	1.098	0.998	-0.197	1.098	-0.020	-0.014	-0.020	-0.014	-0.014	-0.014
20	16.333	1.027	1059.52	1300.0	525.0	77.0	1.159	1.103	0.998	-0.207	1.103	-0.019	-0.009	-0.019	-0.009	-0.009	-0.009
21	16.666	1.027	1060.16	1300.3	525.0	77.1	1.169	1.110	0.997	-0.221	1.110	-0.017	-0.002	-0.017	-0.002	-0.002	-0.002
22	17.000	1.027	1059.52	1300.9	525.1	77.1	1.178	1.117	0.997	-0.235	1.117	-0.014	0.004	-0.014	0.004	0.004	0.004
23	17.333	1.028	1060.46	1300.7	525.0	77.0	1.187	1.123	0.997	-0.247	1.123	-0.011	0.011	-0.011	0.011	0.011	0.011
24	17.666	1.027	1059.50	1300.4	524.6	77.0	1.201	1.133	0.996	-0.268	1.133	-0.008	0.020	-0.008	0.020	0.020	0.020
25	18.000	1.028	1060.15	1300.5	524.9	76.8	1.213	1.141	0.995	-0.285	1.141	-0.004	0.037	-0.004	0.037	0.037	0.037
26	18.333	1.024	1060.00	1300.4	525.1	76.8	1.220	1.146	0.993	-0.297	1.146	-0.003	0.040	-0.003	0.040	0.040	0.040
27	18.666	1.024	1061.37	1300.2	525.6	77.0	1.148	1.093	0.992	-0.195	1.093	-0.003	0.033	-0.003	0.033	0.033	0.033
28	19.000	1.028	1060.50	1300.9	525.5	77.0	1.003	0.980	0.992	-0.028	0.980	-0.005	-0.025	-0.005	-0.025	-0.025	-0.025

TEST	PART	PT10-6	ALPHA	WING	Y	2	PUN SURVEY	DATE	AEDC PROPELLSION WIND TUNNEL	TRANSONIC AT					
TC-404	411	2.966	-5.00	40	2.00	-1.00	4.409	3-4-77							
POINT	I	M	VW	PT	O	FT	HL	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AAL	SWL
1	10.000	1.022	1055.51	1389.1	522.3	77.0	1.060	1.030	0.999	-0.061	1.024	-0.016	-0.111	-6.17	-0.88
2	10.333	1.023	1056.15	1389.7	523.4	77.0	1.032	1.008	1.000	-0.016	1.001	-0.014	-0.118	-6.73	-0.78
3	10.666	1.024	1057.41	1390.6	524.1	77.0	1.001	0.981	1.000	0.037	0.973	-0.016	-0.128	-7.50	-0.92
4	11.000	1.024	1057.94	1389.9	523.9	76.9	1.004	0.983	1.000	0.035	0.973	-0.026	-0.136	-7.94	-1.06
5	11.333	1.024	1057.49	1389.2	523.8	77.1	1.046	1.017	1.000	-0.034	1.008	-0.042	-0.132	-7.47	-2.41
6	11.666	1.025	1057.76	1390.1	524.3	77.0	1.072	1.037	1.000	-0.075	1.030	-0.093	-0.115	-6.36	-2.97
7	12.000	1.025	1058.45	1389.3	524.2	77.1	1.053	1.032	1.000	-0.043	1.026	-0.095	-0.093	-5.19	-3.07
8	12.333	1.025	1057.84	1389.7	523.7	77.1	1.050	1.020	0.999	-0.042	1.016	-0.048	-0.079	-4.43	-2.78
9	12.666	1.026	1058.77	1390.1	524.7	77.0	1.038	1.026	0.999	-0.032	1.022	-0.041	-0.070	-3.90	-2.32
10	13.000	1.024	1058.61	1389.6	524.4	77.1	1.051	1.029	0.999	-0.057	1.026	-0.036	-0.063	-3.51	-2.04
11	13.333	1.025	1058.29	1389.1	524.6	77.0	1.053	1.030	0.999	-0.061	1.028	-0.033	-0.056	-3.10	-1.81
12	13.666	1.026	1058.36	1389.8	524.0	77.0	1.064	1.030	0.999	-0.062	1.029	-0.029	-0.051	-2.82	-1.50
13	14.000	1.024	1057.07	1390.1	524.8	77.1	1.069	1.036	0.999	-0.076	1.033	-0.029	-0.045	-2.50	-1.38
14	14.333	1.024	1057.82	1390.0	524.6	77.2	1.073	1.036	0.999	-0.076	1.037	-0.031	-0.041	-2.24	-1.18
15	14.666	1.025	1058.20	1389.4	524.2	77.0	1.079	1.043	0.998	-0.087	1.042	-0.038	-0.039	-1.94	-0.98
16	15.000	1.027	1058.79	1389.2	524.3	77.1	1.073	1.044	0.998	-0.091	1.044	-0.041	-0.030	-1.65	-0.79
17	15.333	1.026	1059.47	1389.9	525.0	77.1	1.099	1.049	0.998	-0.101	1.046	-0.041	-0.025	-1.38	-0.61
18	15.666	1.028	1060.44	1390.8	525.8	77.1	1.094	1.052	0.997	-0.107	1.052	-0.038	-0.021	-1.13	-0.46
19	16.000	1.027	1059.42	1390.0	525.0	77.0	1.121	1.059	0.997	-0.121	1.059	-0.036	-0.015	-0.81	-0.32
20	16.333	1.024	1058.54	1389.5	524.0	77.0	1.122	1.076	0.997	-0.154	1.076	-0.032	-0.007	-0.36	-0.12
21	16.666	1.028	1060.31	1389.6	525.1	77.0	1.193	1.103	0.996	-0.209	1.103	0.000	0.006	0.31	0.01
22	17.000	1.028	1060.92	1389.6	525.4	77.0	1.193	1.127	0.994	-0.250	1.127	0.000	0.024	1.24	0.02
23	17.333	1.028	1060.22	1389.2	525.2	76.7	1.217	1.145	0.994	-0.292	1.144	-0.002	0.042	2.13	-0.09
24	17.666	1.026	1058.59	1389.2	524.1	76.7	1.231	1.149	0.991	-0.304	1.148	0.004	0.048	2.30	0.01
25	18.000	1.029	1060.92	1389.4	525.6	76.8	1.181	1.118	0.989	-0.245	1.117	0.021	0.020	1.00	1.19
26	18.333	1.028	1060.15	1389.5	524.8	76.9	1.042	1.011	0.991	-0.035	1.011	0.015	-0.004	-0.22	0.97
27	18.666	1.028	1060.23	1389.3	524.5	76.9	1.037	1.007	0.997	-0.020	1.007	0.006	-0.014	-0.01	0.72
28	19.000	1.028	1060.90	1389.2	525.1	76.9	1.051	1.019	0.999	-0.036	1.018	-0.003	-0.019	-0.10	-0.16

TEST PART		REF10-6	ALFA	WING	Y	Z	NUM SURVEY		DATE		AEDC PROPELLSION WIND TUNNEL				
TC-484		405	2.994	-5.00	4.00	-5.00	4-003	2-3-77	TRANSONIC 42						
POINT	X	W	VW	BT	O	TP	WL	VNI/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AIL	SNL
2	16.500	1.022	1054.88	1386.7	521.8	76.7	1.085	1.050	1.000	-0.100	1.047	-0.007	-0.085	-4.55	-0.39
3	16.000	1.023	1056.37	1388.2	523.0	76.7	1.017	0.995	0.999	0.009	0.991	-0.005	-0.091	-5.24	-0.32
4	16.000	1.024	1057.12	1387.9	523.3	76.7	0.985	0.968	1.000	0.064	0.963	-0.005	-0.093	-5.43	-0.29
5	12.000	1.024	1056.60	1386.9	522.7	76.7	0.990	0.972	1.001	0.057	0.967	-0.006	-0.097	-5.70	-0.30
6	12.500	1.024	1057.22	1387.7	523.2	76.7	1.000	0.980	1.031	0.041	0.975	-0.009	-0.095	-5.36	-0.35
7	13.000	1.024	1056.64	1388.4	523.3	76.7	1.009	0.988	1.000	0.024	0.984	-0.013	-0.092	-5.32	-0.76
8	13.500	1.025	1057.70	1388.2	523.7	76.7	1.018	0.995	1.001	0.012	0.991	-0.017	-0.097	-5.01	-0.98
9	14.000	1.025	1057.72	1387.7	523.4	76.8	1.031	1.005	1.001	-0.009	1.001	-0.021	-0.091	-4.65	-1.21
10	14.500	1.027	1059.31	1388.4	524.8	76.8	1.042	1.013	1.000	-0.025	1.010	-0.024	-0.075	-4.23	-1.38
11	15.000	1.025	1058.05	1388.9	524.0	76.8	1.057	1.025	1.000	-0.050	1.023	-0.026	-0.099	-3.86	-1.49
12	15.500	1.027	1059.71	1389.0	524.9	76.8	1.072	1.036	1.000	-0.071	1.033	-0.027	-0.082	-3.48	-1.52
13	14.000	1.026	1048.63	1387.7	523.9	76.7	1.085	1.047	1.000	-0.084	1.045	-0.028	-0.086	-3.08	-1.59
14	16.500	1.026	1058.98	1387.8	524.1	76.7	1.103	1.061	1.000	-0.121	1.059	-0.028	-0.080	-2.69	-1.54
15	17.000	1.028	1060.20	1387.8	524.7	76.8	1.116	1.069	1.000	-0.130	1.068	-0.028	-0.084	-2.36	-1.54
16	17.500	1.028	1060.52	1389.2	525.4	76.7	1.134	1.083	0.999	-0.155	1.082	-0.028	-0.087	-1.94	-1.50
17	18.000	1.028	1061.20	1388.0	525.8	76.7	1.150	1.095	0.999	-0.160	1.094	-0.027	-0.080	-1.59	-1.41
18	18.500	1.029	1061.23	1385.5	525.6	76.8	1.165	1.106	0.998	-0.212	1.105	-0.026	-0.083	-1.20	-1.32
19	19.000	1.029	1061.56	1388.7	525.6	76.8	1.181	1.117	0.997	-0.235	1.116	-0.024	-0.085	-0.78	-1.23

TEST PART MEX10-6 ALPHA WING Y DATE AEDC PROPELLANT WIND TUNNEL
TC-484 412 2.996 -5.00 4.00 -3.00 4-410 30-4-77 TRANSONIC 47

POINT	X	W	Y _W	PT	O	TT	WL	VWL/VW	PTL/PT	CPL	UL/VW	VL/VW	WL/VW	AAL	SWL
2	10.500	1.025	1056.21	1387.9	522.7	77.0	1.044	1.017	1.000	-0.034	1.012	-0.009	-0.094	-5.33	-0.49
3	11.000	1.025	1057.70	1389.4	524.0	77.0	0.995	0.976	0.999	0.047	0.971	-0.002	-0.101	-5.97	-0.13
4	11.500	1.024	1057.30	1388.4	523.7	77.1	0.988	0.971	1.000	0.059	0.965	-0.003	-0.106	-6.29	-0.19
5	12.000	1.025	1057.63	1390.6	524.4	76.9	1.000	0.980	1.000	0.041	0.974	-0.008	-0.108	-6.35	-0.48
6	12.500	1.024	1056.98	1388.6	523.4	76.9	1.018	0.995	1.000	0.010	0.989	-0.017	-0.107	-6.16	-1.01
7	13.000	1.025	1058.38	1388.0	523.8	77.0	1.041	1.012	1.001	-0.023	1.007	-0.028	-0.101	-5.73	-1.37
8	13.500	1.026	1058.58	1390.5	524.8	77.0	1.062	1.029	1.000	-0.058	1.024	-0.037	-0.092	-5.12	-2.08
9	14.000	1.026	1058.53	1387.7	523.9	76.9	1.062	1.044	1.001	-0.088	1.041	-0.043	-0.079	-4.38	-2.38
10	14.500	1.027	1059.44	1388.3	524.4	77.0	1.105	1.061	0.999	-0.123	1.058	-0.045	-0.069	-3.71	-2.44
11	15.000	1.026	1059.37	1389.7	524.9	76.9	1.122	1.075	0.999	-0.151	1.073	-0.045	-0.058	-3.07	-2.41
12	15.500	1.026	1059.82	1389.6	524.7	76.8	1.133	1.084	0.998	-0.168	1.082	-0.043	-0.048	-2.53	-2.39
13	16.000	1.027	1059.78	1387.2	524.2	76.9	1.141	1.088	0.999	-0.178	1.087	-0.041	-0.039	-2.04	-2.18
14	16.500	1.029	1061.16	1389.5	525.3	76.9	1.157	1.099	0.998	-0.199	1.098	-0.040	-0.030	-1.84	-2.18
15	17.000	1.027	1060.09	1390.9	525.7	76.9	1.169	1.110	0.997	-0.221	1.109	-0.038	-0.021	-1.11	-1.96
16	17.500	1.028	1060.40	1388.4	524.9	77.0	1.180	1.118	0.997	-0.236	1.117	-0.035	-0.012	-0.62	-1.78
17	18.000	1.028	1060.58	1387.4	524.6	76.9	1.194	1.128	0.996	-0.258	1.127	-0.031	-0.002	-0.09	-1.59
18	18.500	1.030	1061.91	1389.4	526.0	76.9	1.212	1.139	0.994	-0.282	1.139	-0.030	0.012	0.60	-1.52
19	19.000	1.028	1060.52	1389.4	525.3	76.9	1.225	1.150	0.992	-0.305	1.150	-0.028	0.023	1.17	-1.49

TEST PART REX10-6 ALPHA WING Y Z ROW SURVEY DATE AENC PROPULSION WIND TUNNEL
 TC-484 413 2.998 -5.00 49 4.00 -2.00 4-411 3-4-77 TRANSONIC AT

POINT	X	M	VM	PT	0	TT	ML	VNI/VM	PTL/PT	CPL	UL/VM	VL/VM	WL/VM	AAL	SAL
1	10.500	1.022	1055.72	1388.3	522.7	76.8	1.039	1.013	0.999	-0.027	1.008	-0.005	-0.100	-5.47	-0.30
2	11.000	1.022	1055.59	1389.6	523.1	76.9	0.997	0.971	1.000	0.057	0.985	0.002	-0.108	-6.37	0.14
3	11.500	1.024	1056.85	1389.7	523.7	76.9	0.979	0.964	1.000	0.072	0.957	0.001	-0.114	-6.79	0.05
4	12.000	1.024	1056.97	1387.8	523.1	76.8	0.993	0.975	1.000	0.050	0.988	-0.007	-0.120	-7.04	-0.42
5	12.500	1.026	1058.64	1389.2	524.4	76.9	1.035	1.007	0.999	-0.015	1.000	-0.023	-0.122	-6.95	-1.33
6	13.000	1.025	1057.75	1389.5	524.0	77.0	1.075	1.040	1.000	-0.080	1.033	-0.044	-0.114	-6.28	-2.46
7	13.500	1.024	1057.29	1388.6	523.6	76.7	1.113	1.070	1.000	-0.139	1.064	-0.062	-0.092	-4.97	-3.94
8	14.000	1.024	1057.82	1387.3	523.4	76.7	1.141	1.091	0.999	-0.183	1.087	-0.064	-0.071	-3.71	-3.38
9	14.500	1.024	1058.68	1387.8	523.9	76.8	1.149	1.096	0.998	-0.193	1.093	-0.056	-0.056	-2.93	-2.09
10	15.000	1.024	1058.57	1387.4	523.7	76.8	1.157	1.102	0.998	-0.205	1.100	-0.056	-0.045	-2.32	-2.09
11	15.500	1.027	1059.45	1388.7	524.6	76.8	1.161	1.104	0.997	-0.210	1.102	-0.050	-0.035	-1.84	-2.02
12	16.000	1.027	1059.26	1389.1	524.7	76.8	1.171	1.112	0.997	-0.226	1.111	-0.047	-0.024	-1.28	-2.44
13	16.500	1.027	1059.29	1388.0	524.3	76.7	1.184	1.121	0.996	-0.245	1.121	-0.044	-0.013	-0.68	-2.24
14	17.000	1.026	1058.83	1387.7	524.0	76.7	1.190	1.127	0.995	-0.256	1.126	-0.039	-0.005	-0.26	-1.99
15	17.500	1.029	1041.21	1388.6	525.4	76.8	1.207	1.136	0.994	-0.276	1.136	-0.036	0.009	0.46	-1.83
16	18.000	1.028	1041.54	1387.4	525.1	76.7	1.224	1.148	0.993	-0.300	1.148	-0.036	0.026	1.30	-1.79
17	18.500	1.029	1040.97	1386.4	524.5	76.7	1.244	1.163	0.989	-0.332	1.162	-0.036	0.037	2.31	-1.77
18	19.000	1.029	1061.00	1389.5	525.7	76.8	0.938	0.926	0.986	0.128	0.925	-0.031	-0.031	-1.93	-1.93

TEST	PART	PRX10-6	ALFA	WING	Y	Z	PUM	SURVEY	DATE	AEDC	PROPULSION	WIND	TUNNEL		
TC-484	414	3,999	-5.00	49	4.00	-1.00		4-412	2-4-77	TRANSONIC	42				
POINT	X	W	VW	BT	TT	W	VWL	W/VL	PWL/PT	CPL	UL/W	VL/W	WL/W	ABL	SWL
1	10.400	1.023	1056.33	1389.7	523.2	76.9	1.039	1.013	0.999	-0.027	1.007	0.031	-0.103	-5.95	0.05
2	11.000	1.023	1056.60	1389.0	523.1	76.9	0.979	0.961	1.000	0.078	0.955	0.011	-0.110	-6.56	0.09
3	11.500	1.023	1056.30	1389.0	523.3	76.9	0.959	0.948	1.000	0.105	0.940	0.014	-0.120	-7.25	0.04
4	17.000	1.022	1055.4	1387.2	522.1	76.7	0.988	0.956	1.000	0.089	0.946	0.007	-0.136	-8.17	0.41
5	17.500	1.023	1046.24	1386.5	522.4	76.8	1.035	1.010	0.999	-0.021	0.997	-0.032	-0.137	-8.94	-1.26
6	13.000	1.025	1056.34	1389.0	524.4	76.9	1.172	1.114	0.999	-0.029	1.099	-0.038	-0.154	-7.96	-3.12
7	13.500	1.024	1057.33	1388.1	523.4	76.8	1.227	1.166	0.991	-0.334	1.158	-0.129	-0.046	-2.20	-8.37
8	14.000	1.025	1057.64	1389.5	523.7	76.9	1.167	1.111	0.992	-0.229	1.107	-0.074	-0.054	-2.80	-3.81
9	14.500	1.025	1056.34	1389.9	524.1	77.0	1.170	1.113	0.995	-0.229	1.110	-0.087	-0.044	-2.28	-3.47
10	15.000	1.026	1058.44	1389.5	524.4	76.9	1.168	1.110	0.995	-0.225	1.108	-0.080	-0.037	-1.89	-2.09
11	15.500	1.026	1058.23	1389.6	525.2	76.9	1.177	1.117	0.995	-0.237	1.115	-0.054	-0.023	-1.19	-2.88
12	16.000	1.026	1058.63	1387.9	523.9	76.9	1.192	1.120	0.995	-0.260	1.127	-0.031	-0.010	-0.50	-2.68
13	16.500	1.027	1059.81	1389.3	524.9	77.0	1.202	1.135	0.994	-0.273	1.134	-0.048	0.003	0.13	-2.34
14	17.000	1.027	1060.7	1389.5	525.2	77.0	1.220	1.147	0.993	-0.299	1.146	-0.046	0.021	1.03	-2.30
15	17.500	1.027	1059.66	1389.9	524.9	76.9	1.242	1.163	0.990	-0.332	1.162	-0.045	0.045	2.23	-2.24
16	18.000	1.028	1041.64	1388.7	525.3	77.0	1.245	1.176	0.994	-0.366	1.176	-0.045	0.068	3.30	-2.20
17	18.500	1.028	1060.28	1389.7	525.4	76.9	1.011	0.986	0.981	0.002	0.985	-0.023	-0.019	-1.09	-1.22
18	19.000	1.028	1060.41	1389.0	525.1	76.9	1.067	0.951	0.990	0.002	0.950	-0.030	-0.025	-1.48	-3.81

TEST PART BOX10-6 ALPHA WING Y 2 RUN SURVEY DATE AEDC PROPELLSION WIND TUNNEL
 7C-484 406 3.005 -5.00 40 7.00 -5.00 4.404 20-3-77 TRANSONIC 42

POINT	X	Y	VU	PT	Q	TP	UL	VUL/VU	PTL/PT	CPL	UL/VP	VL/VM	WL/VM	AAL	SNL
1	10.500	1.021	1054.50	1307.7	522.1	76.9	1.042	1.049	1.001	-0.096	1.045	-0.009	-0.090	-4.84	-0.50
2	11.000	1.023	1056.27	1308.0	522.9	76.9	1.075	1.041	1.000	-0.092	1.037	-0.009	-0.090	-4.96	-0.49
3	11.500	1.024	1056.84	1308.7	523.8	76.8	1.002	0.993	1.000	0.034	0.979	-0.002	-0.095	-5.57	-0.11
4	12.000	1.023	1054.03	1308.9	523.1	76.9	0.991	0.966	1.000	0.068	0.961	0.000	-0.100	-5.93	0.02
5	12.500	1.023	1056.62	1308.1	523.1	76.8	0.984	0.967	1.000	0.068	0.962	0.000	-0.102	-6.05	-0.01
6	13.000	1.024	1056.57	1307.8	523.0	76.7	0.987	0.971	1.001	0.060	0.965	-0.002	-0.103	-6.07	-0.12
7	13.500	1.023	1056.15	1307.2	522.6	76.7	0.995	0.977	1.001	0.047	0.972	-0.005	-0.102	-6.01	-0.30
8	14.000	1.023	1056.39	1307.5	522.4	76.9	1.003	0.994	1.001	0.033	0.978	-0.009	-0.102	-5.94	-0.52
9	14.500	1.025	1059.07	1307.6	523.6	76.8	1.017	0.993	1.001	0.015	0.988	-0.014	-0.100	-5.80	-0.80
10	15.000	1.027	1059.17	1308.7	524.9	76.7	1.039	1.002	1.000	-0.003	0.997	-0.020	-0.099	-5.59	-1.12
11	15.500	1.024	1057.79	1307.3	523.4	76.6	1.043	1.014	1.001	-0.027	1.009	-0.025	-0.093	-5.26	-1.43
12	16.000	1.027	1059.40	1307.5	523.5	76.5	1.066	1.031	1.001	-0.061	1.027	-0.031	-0.088	-4.91	-1.73
13	16.500	1.027	1059.66	1308.7	524.8	76.7	1.088	1.048	1.000	-0.096	1.044	-0.036	-0.083	-4.53	-1.96
14	17.000	1.027	1058.75	1308.3	524.7	76.7	1.113	1.067	1.000	-0.134	1.064	-0.040	-0.075	-4.02	-2.17
15	17.500	1.028	1060.02	1308.7	524.2	76.7	1.135	1.084	0.999	-0.168	1.081	-0.042	-0.066	-3.48	-2.23
16	18.000	1.029	1061.52	1308.8	525.6	76.8	1.158	1.100	0.998	-0.201	1.098	-0.044	-0.056	-2.92	-2.28
17	18.500	1.029	1061.23	1308.8	525.9	76.8	1.179	1.116	0.997	-0.233	1.114	-0.046	-0.046	-2.34	-2.27
18	19.000	1.027	1059.58	1308.0	524.4	76.8	1.197	1.130	0.996	-0.262	1.129	-0.046	-0.034	-1.73	-2.28

TEST PART R210-6 ALPHA MING Y 2 RUN SURVEY DATE AERC PROPLUSTON MIND TUNNEL
7C-404 415 2.007 -3.00 40 7.00 -3.00 4-413 3-4-77 TRANSONIC 41

POINT	X	M	VH	PT	Q	TT	PL	VH1/VH	PTL/PT	CPL	UL/VH	VL/VH	VL/VH	AAL	SWL
1	10.500	1.023	1054.26	1308.0	523.8	76.9	1.100	1.041	1.000	-0.121	1.054	-0.010	-0.009	-5.16	-0.58
2	11.000	1.023	1056.32	1309.1	523.9	76.9	1.072	1.030	0.999	-0.079	1.035	-0.006	-0.007	-5.35	-0.32
3	11.500	1.023	1056.13	1308.9	523.1	76.9	0.984	0.968	1.000	0.063	0.963	0.004	-0.101	-6.02	0.22
4	12.000	1.023	1056.32	1308.3	522.0	77.0	0.972	0.958	1.000	0.083	0.953	0.006	-0.105	-6.27	0.38
5	12.500	1.024	1057.46	1308.0	523.7	77.0	0.977	0.961	1.000	0.078	0.955	0.005	-0.108	-6.44	0.78
6	13.000	1.025	1049.51	1308.6	524.4	77.0	0.986	0.964	1.000	0.066	0.961	0.002	-0.111	-6.57	0.14
7	13.500	1.024	1053.13	1308.5	523.4	76.9	0.985	0.976	1.001	0.040	0.969	-0.003	-0.114	-6.70	-0.17
8	14.000	1.025	1057.08	1308.4	523.7	77.1	1.007	0.995	1.000	0.030	0.978	-0.009	-0.117	-6.72	-1.18
9	14.500	1.025	1058.03	1309.1	524.0	77.0	1.028	1.003	1.000	-0.005	0.996	-0.010	-0.119	-6.86	-0.88
10	15.000	1.024	1058.44	1309.5	524.1	76.8	1.054	1.023	1.000	-0.047	1.016	-0.033	-0.116	-6.86	-0.88
11	15.500	1.025	1049.07	1307.2	523.5	76.7	1.033	1.006	0.999	-0.103	1.070	-0.049	-0.110	-5.22	-3.62
12	16.000	1.028	1060.25	1307.6	524.7	76.7	1.173	1.096	0.999	-0.172	1.106	-0.064	-0.099	-5.19	-3.06
13	16.500	1.027	1049.44	1308.3	524.4	76.9	1.109	1.132	0.997	-0.225	1.120	-0.077	-0.081	-5.97	-4.10
14	17.000	1.027	1049.98	1307.2	524.3	76.8	1.210	1.160	0.995	-0.303	1.137	-0.073	-0.037	-5.86	-3.00
15	17.500	1.026	1041.11	1307.0	525.4	76.0	1.294	1.149	0.992	-0.302	1.146	-0.068	-0.020	-6.99	-3.38
16	18.000	1.028	1040.53	1300.2	525.6	77.0	1.150	1.095	0.988	-0.202	1.092	-0.071	-0.051	-6.08	-3.73
17	18.500	1.028	1060.78	1309.5	525.6	77.0	1.152	1.096	0.990	-0.194	1.092	-0.081	-0.046	-5.63	-4.24

TEST PART		ALFA		WING		X		Z		RUN SURVEY		DATE		AEDC PROPULSION WIND TUNNEL	
TC-494		416		3.000		-3.00		4.0		A-414		30 4-77		TRANSONIC 45	
POINT	X	Y	Z	VM	ST	Q	TT	UL	VHL/VH	PTL/ST	CPL	UL/VH	VL/VH	WL/VH	SWL
1	10.500	1.024	1037.20	1388.4	523.7	77.0	1.107	1.054	1.000	0.999	-0.132	1.001	-0.011	-0.097	-0.02
2	11.000	1.023	1036.37	1388.2	523.2	76.9	1.044	1.025	1.000	0.999	-0.051	1.020	-0.003	-0.099	-0.17
3	11.500	1.023	1036.54	1388.8	523.2	77.0	0.980	0.955	1.000	0.999	0.069	0.959	0.007	-0.102	0.00
4	12.000	1.023	1036.35	1390.1	523.6	77.1	0.972	0.958	1.000	0.999	0.083	0.953	0.009	-0.105	0.00
5	12.500	1.023	1036.31	1390.0	523.6	77.0	0.972	0.958	1.000	0.999	0.084	0.952	0.009	-0.105	0.00
6	13.000	1.023	1036.57	1388.4	523.1	77.0	0.976	0.969	1.000	0.999	0.078	0.956	0.008	-0.114	0.00
7	13.500	1.025	1038.25	1388.1	524.1	77.1	0.987	0.969	1.000	0.999	0.062	0.961	0.004	-0.119	0.00
8	14.000	1.025	1038.41	1389.8	524.4	77.1	1.000	0.979	1.000	0.999	0.041	0.971	-0.002	-0.125	0.00
9	14.500	1.025	1037.70	1387.3	524.0	76.9	1.027	1.027	1.000	0.999	-0.004	0.993	-0.015	-0.132	0.00
10	15.000	1.025	1037.51	1387.3	523.2	76.8	1.069	1.035	1.000	0.999	-0.070	1.026	-0.037	-0.137	0.00
11	15.500	1.025	1037.99	1388.4	523.8	76.9	1.128	1.091	0.999	0.999	-0.181	1.070	-0.068	-0.133	0.00
12	16.000	1.024	1038.90	1388.0	524.4	76.9	1.196	1.131	0.997	0.997	-0.262	1.121	-0.102	-0.133	0.00
13	16.500	1.027	1039.66	1389.1	524.8	76.9	1.241	1.163	0.992	0.992	-0.329	1.153	-0.134	-0.072	0.00
14	17.000	1.026	1038.28	1387.8	523.8	76.7	1.266	1.182	0.984	0.984	-0.373	1.176	-0.121	-0.014	0.00
15	17.500	1.028	1038.18	1387.2	524.4	76.7	1.245	1.165	0.983	0.983	-0.362	1.162	-0.074	-0.002	0.00
16	18.000	1.029	1038.41	1388.6	525.0	76.9	1.140	1.088	0.986	0.986	-0.391	1.083	-0.092	-0.008	0.00
17	18.500	1.027	1039.54	1388.1	524.4	76.8	1.170	1.115	0.987	0.987	-0.323	1.105	-0.107	-0.037	0.00
18	19.000	1.028	1039.72	1389.2	525.4	76.8	1.112	1.085	0.986	0.986	-0.135	1.058	-0.115	-0.008	0.00

TEST TC-400	PLANT 417	REF10-6 2,000	ALFA -9.00	WING 40	Y 7.00	Z -1.00	PUN SURVEY 4-418	DATE 2- 4-77	AEDC PROPELLION WIND TUNNEL TRANSONIC 45						
POINT	X	W	VW	DT	0	ST	WL	VNL/VW	PTL/PT	CPL	UL/VW	VL/VW	ML/VW	AAL	SUL
1	10.000	1.023	1045.22	1380.2	523.1	76.9	1.109	1.068	0.949	-0.136	1.043	-0.008	-0.100	-5.37	-0.45
2	11.000	1.024	1056.72	1380.1	523.1	76.9	1.070	1.037	0.989	-0.074	1.032	-0.001	-0.100	-5.38	-0.08
3	11.000	1.029	1046.62	1380.1	523.0	76.9	0.978	0.963	0.999	0.073	0.957	0.012	-0.102	-6.09	0.70
4	12.000	1.024	1056.95	1380.5	523.7	76.9	0.966	0.953	1.000	0.094	0.947	0.018	-0.105	-6.34	0.94
5	12.500	1.023	1054.70	1389.0	523.7	77.0	0.961	0.939	1.000	0.102	0.943	0.017	-0.109	-6.57	1.04
6	12.000	1.024	1067.54	1380.1	523.7	77.1	0.963	0.950	1.000	0.101	0.943	0.018	-0.114	-6.87	1.09
7	13.500	1.023	1056.17	1380.4	522.9	76.0	0.967	0.954	1.000	0.092	0.946	0.018	-0.120	-7.23	1.10
8	14.000	1.025	1048.18	1386.4	523.6	77.0	0.977	0.981	1.000	0.078	0.952	0.015	-0.130	-7.80	0.93
9	14.500	1.026	1048.61	1389.4	524.4	77.0	1.002	0.991	0.999	0.037	0.970	0.007	-0.147	-8.64	0.44
10	15.000	1.025	1058.31	1389.4	524.2	76.9	1.061	1.028	0.999	-0.059	1.014	-0.021	-0.172	-9.62	-0.17
11	15.500	1.024	1058.24	1386.0	523.0	76.9	1.178	1.118	0.999	-0.236	1.086	-0.093	-0.183	-10.44	-0.84
12	16.000	1.025	1059.03	1390.2	524.8	76.9	1.245	1.154	0.990	-0.390	1.174	-0.184	-0.197	-10.68	-0.90
13	16.500	1.026	1059.09	1389.2	524.2	76.9	1.332	1.223	0.959	-0.504	1.275	-0.216	-0.206	-10.26	-0.63
14	17.000	1.026	1059.11	1386.4	524.6	77.0	1.413	1.281	0.908	-0.614	1.276	-0.201	-0.018	-8.82	-0.52
15	17.500	1.028	1060.20	1388.4	524.8	77.0	1.456	1.100	0.972	-0.231	1.095	-0.104	-0.032	-7.68	-0.43
16	18.000	1.024	1060.48	1380.6	525.6	76.9	1.193	1.137	0.973	-0.281	1.098	-0.138	-0.000	-0.01	-2.04
17	18.500	1.024	1058.14	1385.8	521.0	76.7	1.164	1.109	0.965	-0.254	1.095	-0.149	0.000	0.21	-0.78
18	19.000	1.024	1060.04	1380.6	526.0	76.9	0.961	0.945	0.975	0.073	0.932	-0.153	-0.023	-1.41	-0.23

TEST DATA		ALPS		WING		Y		Z		WIND SURVEY		DATE		AEDC PROPELLION WIND TUNNEL	
TC-404		410		3.999		-5.00		-4.00		-5.00		20 6-77		TRANSONIC 47	
POINT	X	M	Vu	DT	0	77	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt	Wt
2	11.000	1.022	1055.54	1308.4	522.7	76.7	1.002	0.984	0.999	0.032	0.032	0.070	-0.006	-0.004	-0.033
3	12.000	1.022	1054.99	1307.1	521.8	76.8	0.992	0.976	1.001	0.030	0.030	0.071	0.003	-0.008	-0.033
4	13.000	1.025	1057.44	1308.7	523.8	76.7	1.010	0.988	1.000	0.024	0.024	0.084	0.010	-0.092	-0.038
5	14.000	1.024	1057.17	1307.6	523.2	76.7	1.026	1.001	1.001	-0.002	-0.002	0.098	0.017	-0.082	-0.068
6	15.000	1.024	1057.25	1306.8	522.8	76.7	1.022	1.022	1.000	-0.044	-0.044	1.020	0.022	-0.089	-0.068
7	16.000	1.027	1057.40	1308.4	524.5	76.8	1.044	1.045	1.000	-0.091	-0.091	1.044	0.024	-0.057	-0.033
8	17.000	1.027	1059.27	1309.7	524.9	76.8	1.112	1.067	0.999	-0.138	-0.138	1.066	0.025	-0.048	-0.033
9	18.000	1.027	1059.61	1309.2	524.9	76.8	1.142	1.090	0.998	-0.180	-0.180	1.089	0.024	-0.034	-0.033
10	19.000	1.028	1060.65	1308.1	524.9	77.0	1.181	1.118	0.997	-0.237	-0.237	1.117	0.023	-0.017	-0.033

TEST PART 2010-6 ALPHA WYNG Y 2 RUN SURVEY DATE 3-4-77 AEDC PROPULSION WIND TUNNEL
 TC-004 419 2.000 -5.00 40 -4.00 -3.00 4-417 TRANSONIC 40

POINT	X	M	VM	PT	0	TT	WL	VVL/VM	PTL/PT	CPL	UL/VM	VL/VM	VL/VM	SWL
1	11.000	1.021	1034.62	1389.9	522.4	76.8	0.997	0.972	1.000	0.035	0.967	0.000	-0.102	0.01
2	12.000	1.022	1034.93	1387.6	521.9	76.8	0.993	0.977	1.001	0.048	0.971	0.005	-0.106	0.32
3	13.000	1.024	1037.05	1389.7	523.8	76.9	1.036	1.010	1.000	-0.019	1.005	0.034	-0.098	1.39
4	14.000	1.023	1036.10	1389.6	523.3	76.9	1.073	1.040	1.000	-0.080	1.037	0.030	-0.077	2.16
5	15.000	1.023	1034.31	1387.7	522.7	76.8	1.108	1.067	1.000	-0.135	1.085	0.041	-0.056	2.16
6	16.000	1.025	1039.26	1388.6	524.0	76.8	1.135	1.085	0.998	-0.172	1.094	0.038	-0.038	2.03
7	17.000	1.027	1039.40	1388.8	524.6	76.8	1.157	1.102	0.998	-0.204	1.101	0.036	-0.032	1.85
8	18.000	1.027	1039.86	1389.3	525.0	77.0	1.195	1.129	0.995	-0.260	1.128	0.034	-0.000	1.70
9	19.000	1.029	1061.74	1390.4	526.3	76.9	1.206	1.135	0.992	-0.276	1.138	0.031	-0.004	1.57

TEST PART REGION-6 ALPHA WING Y Z DATE AEC PROPULSION WIND TUNNEL
TC-884 420 2.996 -5.09 -4.00 -3.00 4-610 2-4-77 TRANSONIC 4T

POINT	X	Y	Z	PT	Q	TT	VL	VHL/VH	PTL/PT	CPL	UL/VH	VL/VH	WL/VH	AWL	BSL
1	11.000	1.022	1054.95	1387.6	522.1	76.8	0.971	0.959	1.000	0.093	0.952	-0.008	-0.109	-0.52	-0.46
2	12.000	1.022	1055.34	1388.8	522.7	76.8	0.973	0.961	1.000	0.076	0.952	-0.003	-0.136	-0.11	-0.16
3	13.000	1.023	1055.61	1387.7	522.6	76.8	1.108	1.128	1.000	-0.254	1.113	0.118	-0.142	-2.26	0.04
4	14.000	1.024	1056.08	1388.8	523.4	77.0	1.144	1.084	0.885	-0.192	1.080	0.073	-0.058	-2.06	2.81
5	15.000	1.025	1057.81	1389.6	524.1	77.0	1.148	1.094	0.996	-0.196	1.094	0.061	-0.040	-2.12	3.20
6	16.000	1.025	1057.52	1387.7	523.3	76.8	1.177	1.118	0.996	-0.239	1.117	0.055	-0.015	-0.78	2.82
7	17.000	1.027	1059.07	1389.5	528.1	77.0	1.221	1.148	0.993	-0.299	1.147	0.033	0.023	1.13	2.68
8	18.000	1.026	1058.19	1388.2	524.3	76.9	1.258	1.176	0.996	-0.360	1.173	0.049	0.063	3.08	2.41
9	19.000	1.028	1060.00	1388.0	524.7	76.7	0.994	0.973	0.998	0.047	0.972	0.036	-0.024	-1.44	2.13

TEST		PART		ALFA		WIDE		2		PW SUPPLY		DATE		AEDC PRODUCTION WIND TUNNEL					
TC-084		431		3.903		-9.00		-5.00		4.519		30-6-77		TRANSONIC AT					
POINT	Z	U	VU	PT	0	TT	W	VW/VU	PTU/PT	CPZ	UL/VH	VU/VU	UL/VH	UL/VH	UL/VH	UL/VH	UL/VH	UL/VH	UL/VH
1	11.000	1.022	1054.02	1366.2	521.6	76.7	1.001	1.032	1.000	-0.003	1.029	0.007	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
2	12.000	1.022	1055.30	1367.3	522.2	76.7	0.993	0.960	1.000	0.004	0.964	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
3	13.000	1.024	1056.63	1369.1	523.2	76.6	0.989	0.971	1.000	0.008	0.967	0.000	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002	-0.002
4	14.000	1.024	1057.09	1366.3	522.7	76.7	1.004	0.983	1.001	0.004	0.970	0.007	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
5	15.000	1.025	1057.88	1368.0	523.7	76.7	1.028	1.003	1.000	-0.005	0.999	0.017	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
6	16.000	1.025	1057.83	1369.1	523.7	76.7	1.004	1.031	1.000	-0.002	1.038	0.027	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007
7	17.000	1.024	1058.62	1367.1	523.7	76.7	1.111	1.067	1.000	-0.133	1.064	0.036	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003	-0.003
8	18.000	1.028	1059.04	1367.7	524.3	76.7	1.154	1.098	0.998	-0.109	1.097	0.039	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004	-0.004
9	19.000	1.028	1060.00	1368.0	524.7	76.7	1.108	1.124	0.996	-0.209	1.123	0.038	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007	-0.007

TEST	PART	REX10-6	ALFA	WTC	Y	Z	RUN	SURVEY	DATE	AIRC	POPULATION	WIND	TOWNET
TC-484	422	2,996	-5.00	46	-7.00	-3.00	4.420		3- 4-77	TRANSOMIC	02		
POINT	X	N	W	PT	0	PT	WL	VEL/VH	PTL/PT	CPL	DL/VP	VL/VH	WL/VP
1	11.000	1.022	1055.59	1307.1	522.3	76.7	1.047	1.010	0.999	-0.040	1.016	-0.003	-0.009
2	12.000	1.023	1056.14	1309.3	523.1	76.7	0.999	0.964	1.000	0.071	0.959	-0.007	-0.005
3	13.000	1.022	1055.47	1308.2	523.7	76.7	0.983	0.968	1.001	0.065	0.963	-0.003	-0.101
4	14.000	1.025	1057.35	1309.4	522.9	76.7	1.009	0.997	1.000	0.026	0.981	-0.009	-0.105
5	15.000	1.025	1057.70	1309.4	523.3	76.8	1.058	1.027	1.000	-0.035	1.021	0.033	-0.105
6	16.000	1.024	1056.21	1309.4	524.3	76.8	1.138	1.080	0.999	-0.177	1.063	0.033	-0.086
7	17.000	1.026	1056.74	1307.6	523.6	76.7	1.150	1.126	0.999	-0.234	1.123	0.032	-0.047
8	18.000	1.028	1060.16	1307.3	524.4	76.9	1.213	1.142	0.993	-0.287	1.140	0.031	-0.019
9	19.000	1.029	1061.58	1309.5	526.0	76.7	1.157	1.099	0.997	-0.199	1.095	0.032	-0.035

TRAT	PRPT	HEX10-6	ALPA	WINC	Y	Z	WIND	CONVNT	DATE	AESC	PROPULSION	WIND	TUNNEL
2C-484	423	2.007	-5.00	4A	-7.00	-1.00	4.423		2-4-77	TRANSONIC	4F		
PORT	X	W	VP	PT	Q	TT	WL	VL/VW	PTL/PT	CPL	VL/VW	VL/VW	SWL
1	11.000	1.023	1055.70	1307.5	523.5	76.7	1.054	1.025	0.999	-0.053	-0.093	-0.000	0.01
2	12.000	1.023	1056.50	1306.0	523.3	76.0	1.050	0.956	1.000	0.007	-0.091	-0.015	-0.00
3	13.000	1.023	1055.04	1306.0	523.1	76.7	0.953	0.951	1.000	0.009	-0.019	-0.015	-0.00
4	14.000	1.024	1056.08	1306.4	523.4	76.7	0.950	0.964	1.000	0.003	-0.103	-0.015	-0.01
5	15.000	1.023	1056.44	1306.4	522.4	76.8	1.002	0.947	1.000	-0.004	-0.123	-0.020	-0.04
6	16.000	1.026	1058.52	1309.0	524.6	76.8	1.021	1.213	0.988	-0.498	-0.064	0.020	1.02
7	17.000	1.027	1058.74	1307.7	524.4	76.0	1.037	1.039	0.904	-0.202	-0.010	0.035	0.25
8	18.000	1.028	1060.14	1306.5	524.0	76.7	1.106	1.120	0.974	-0.204	0.006	0.131	0.67
9	19.000	1.028	1060.84	1307.7	524.9	76.8	0.953	0.947	0.969	0.002	-0.025	0.114	0.93

TEST PART		ALPHA		WING		YT		RW SURVEY		DATE		AEDC PROPELLSION WIND TUNNEL			
TC-404		430		2,900		-4.90		40		2- 4-77		TRANSONIC 02			
POINT	XT	M	VS	YT	Q	YT	PL	VNL/VN	RTL/PT	CPL	UT/VP	VT/VN	WT/VN	ARTL	SWTL
8	-6.000	1.027	1073.76	1436.5	542.7	91.3	1.003	0.980	1.001	0.050	0.980	0.001	0.008	0.45	0.09
9	-5.500	1.024	1071.33	1434.2	541.4	91.4	0.997	0.978	1.002	0.046	0.978	0.001	0.008	0.44	0.09
10	-5.000	1.025	1071.99	1439.6	543.0	91.3	0.998	0.978	1.000	0.045	0.978	0.001	0.007	0.44	0.07
11	-4.500	1.023	1070.67	1437.3	541.6	91.2	0.994	0.976	1.001	0.050	0.976	0.001	0.007	0.43	0.09
12	-4.000	1.022	1069.26	1435.1	540.1	91.3	0.994	0.976	1.001	0.044	0.976	0.001	0.007	0.43	0.09
13	-3.500	1.024	1071.14	1439.1	542.0	91.5	0.995	0.977	1.000	0.047	0.977	0.001	0.007	0.42	0.08
14	-3.000	1.022	1069.54	1439.8	542.0	91.1	0.992	0.977	1.000	0.046	0.977	0.001	0.007	0.42	0.08
15	-2.500	1.021	1068.52	1436.5	540.1	91.5	0.992	0.976	1.001	0.049	0.976	0.001	0.007	0.41	0.08
16	-2.000	1.024	1071.72	1435.6	541.4	91.4	0.995	0.976	1.001	0.048	0.976	0.001	0.007	0.40	0.07
17	-1.500	1.025	1072.22	1439.9	542.9	91.4	0.995	0.976	1.001	0.050	0.976	0.001	0.007	0.39	0.09
18	-1.000	1.023	1070.23	1435.4	540.7	91.2	0.988	0.971	1.002	0.050	0.971	0.001	0.005	0.31	0.05
19	-0.500	1.023	1070.18	1435.5	540.6	91.3	0.986	0.970	1.001	0.052	0.970	0.001	0.004	0.26	0.09
20	0.000	1.022	1069.66	1439.7	541.9	91.5	0.986	0.970	1.001	0.051	0.970	0.002	0.003	0.19	0.09
21	0.500	1.024	1071.61	1437.7	542.2	91.2	0.983	0.966	1.001	0.059	0.966	0.001	0.002	0.10	0.07
22	1.000	1.027	1073.85	1436.3	542.7	91.2	0.983	0.964	1.001	0.074	0.964	0.001	0.001	0.04	0.06
23	1.500	1.024	1071.10	1435.6	542.3	91.1	0.985	0.966	1.001	0.069	0.966	0.001	0.001	0.06	0.07
24	2.000	1.024	1072.53	1436.0	542.3	91.2	0.987	0.966	1.001	0.065	0.966	0.001	0.001	0.16	0.06
25	2.500	1.024	1071.47	1436.0	542.2	91.2	0.987	0.969	1.001	0.062	0.969	0.001	0.004	0.24	0.08
26	3.000	1.024	1076.82	1437.7	541.8	91.3	0.988	0.972	1.001	0.058	0.972	0.001	0.005	0.32	0.08
27	3.500	1.022	1068.07	1436.2	540.5	91.1	0.988	0.973	1.003	0.057	0.973	0.001	0.007	0.43	0.09
28	4.000	1.021	1068.27	1435.0	539.9	91.2	0.990	0.975	1.001	0.053	0.975	0.001	0.007	0.44	0.07
29	4.500	1.021	1068.46	1438.1	540.7	91.5	0.993	0.977	1.001	0.046	0.977	0.001	0.008	0.44	0.07
30	5.000	1.027	1073.64	1436.3	543.6	91.5	0.996	0.975	1.001	0.051	0.975	0.001	0.008	0.49	0.07
31	5.500	1.028	1074.74	1438.3	543.9	91.2	1.001	0.978	1.001	0.045	0.978	0.001	0.009	0.54	0.08
32	6.000	1.025	1071.50	1435.2	541.3	91.0	1.004	0.984	1.001	0.034	0.984	0.001	0.009	0.51	0.07
33	6.500	1.025	1071.63	1436.2	541.6	91.2	1.007	0.986	1.001	0.030	0.986	0.001	0.007	0.44	0.08
34	7.000	1.024	1070.68	1436.0	540.0	90.0	1.006	0.986	1.001	0.030	0.986	0.002	0.007	0.40	0.10
35	7.500	1.024	1069.66	1434.0	540.4	90.0	1.010	0.989	1.002	0.024	0.989	0.001	0.006	0.33	0.07
36	8.000	1.023	1068.69	1429.9	538.5	90.8	1.014	0.993	1.002	0.016	0.993	0.001	0.005	0.27	0.08
37	8.500	1.024	1071.56	1433.3	540.9	90.7	1.031	0.996	1.000	0.008	0.996	0.001	0.003	0.17	0.08
38	9.000	1.027	1073.53	1438.5	543.4	91.2	1.031	1.003	1.000	0.006	1.003	0.001	0.001	0.08	0.07
39	9.500	1.024	1073.14	1438.6	543.4	91.1	1.032	1.005	1.000	0.009	1.005	0.001	0.000	0.08	0.08
40	10.000	1.027	1073.66	1437.2	543.1	90.9	1.037	1.008	1.000	0.015	1.008	0.001	0.002	0.14	0.08
41	10.500	1.028	1074.98	1437.1	543.5	91.3	1.043	1.012	1.000	0.023	1.012	0.001	0.005	0.26	0.08
42	11.000	1.029	1075.18	1436.9	543.7	91.6	1.049	1.016	1.001	0.030	1.016	0.001	0.006	0.38	0.08
43	11.500	1.027	1073.03	1437.7	543.1	90.7	1.051	1.020	1.001	0.040	1.020	0.002	0.006	0.53	0.09
44	12.000	1.027	1072.61	1433.6	541.5	90.3	1.052	1.020	1.001	0.040	1.020	0.001	0.012	0.66	0.08
45	12.500	1.025	1071.03	1432.8	540.4	90.5	1.056	1.025	1.001	0.050	1.025	0.001	0.014	0.88	0.08
46	13.000	1.026	1072.62	1435.1	542.0	90.0	1.040	1.011	1.000	0.030	1.011	0.002	0.013	0.75	0.08
47	13.500	1.029	1074.65	1433.5	543.5	90.2	1.012	0.986	1.001	0.030	0.986	0.001	0.010	0.86	0.08
48	14.000	1.026	1070.16	1438.3	541.8	91.0	0.971	0.957	0.999	0.085	0.957	0.001	0.005	0.32	0.08
49	14.500	1.026	1072.63	1439.6	543.5	91.0	0.971	0.955	1.000	0.091	0.955	0.001	0.006	0.26	0.07
50	15.000	1.023	1069.66	1435.5	540.6	91.0	0.979	0.964	1.001	0.073	0.964	0.001	0.007	0.36	0.08
51	15.500	1.037	1074.48	1438.6	543.7	91.7	0.989	0.989	1.000	0.042	0.989	0.001	0.008	0.47	0.08

TEST		PART		DATA		WIND SURVEY		DATE		AEDC PROPELLSION WIND TUNNEL					
TC-484		430		3.999		-0.99		2- 4-77		TRANSONIC Q7					
POINT	XT	Y	VW	WT	Q	TY	ML	VWL/VW	PTL/PT	CPL	UT/VW	VT/VW	WT/VW	AATL	ANTL
63	16.000	1.022	1069.38	1435.0	540.2	91.2	0.993	0.976	1.001	0.049	0.976	0.001	0.009	0.53	0.07
64	16.500	1.020	1075.23	1436.6	543.4	91.4	1.002	0.979	1.000	0.043	0.979	0.001	0.010	0.60	0.07
67	17.400	1.025	1071.30	1438.1	542.8	90.8	1.008	0.987	1.001	0.029	0.987	0.001	0.012	0.69	0.07
68	17.500	1.027	1073.51	1433.6	541.6	91.2	1.013	0.991	1.001	0.020	0.991	0.001	0.013	0.74	0.06
70	18.000	1.024	1073.48	1440.7	544.1	91.4	1.028	1.001	1.000	-0.001	1.001	0.001	0.015	0.80	0.08
71	19.500	1.024	1073.61	1438.6	543.7	91.6	1.034	1.006	1.001	-0.011	1.006	0.001	0.016	0.90	0.06
73	19.500	1.027	1074.03	1438.1	543.4	91.5	1.034	1.014	1.000	-0.028	1.014	0.001	0.018	1.02	0.07
74	19.500	1.026	1073.84	1438.9	543.4	91.9	1.033	1.021	1.000	-0.042	1.021	0.001	0.020	1.12	0.05
76	20.000	1.029	1072.75	1440.8	543.7	91.7	1.064	1.031	1.001	-0.061	1.031	0.001	0.023	1.27	0.06
77	20.500	1.024	1071.40	1437.6	541.9	91.6	1.066	1.036	1.000	-0.071	1.035	0.001	0.025	1.40	0.04
78	21.000	1.028	1075.31	1439.1	543.9	91.7	1.064	1.044	1.000	-0.088	1.044	0.001	0.028	1.55	0.06
81	21.500	1.020	1075.52	1439.1	544.2	92.0	1.073	1.051	1.000	-0.102	1.051	0.001	0.031	1.71	0.04
82	22.000	1.030	1076.41	1439.3	544.9	91.7	1.101	1.056	0.999	-0.113	1.056	0.001	0.034	1.84	0.06
85	22.500	1.024	1071.70	1440.3	542.8	92.0	1.108	1.067	0.999	-0.135	1.066	0.001	0.039	2.07	0.08
86	23.000	1.023	1070.83	1440.9	542.6	92.0	1.111	1.070	0.999	-0.140	1.069	0.001	0.043	2.30	0.06
87	23.500	1.023	1070.62	1440.3	542.4	91.8	1.121	1.077	0.999	-0.153	1.076	0.001	0.047	2.49	0.07
88	24.000	1.024	1071.66	1439.1	542.1	91.7	1.119	1.075	0.999	-0.151	1.074	0.001	0.048	2.56	0.06

TEST POINT NEX10-6 ALPHA WING YR 10.00 -10.00 RUN SURVEY DATE 20-4-77 AEDC PROPLUSTON WIND TUNNEL TRANSONIC 45

POINT	XT	Y	VM	PT	Q	TT	ML	VM/VW	PTL/PT	CPL	UT/VW	VT/VW	MT/VW	AATL	SMTL
5	-6.000	1.023	1070.53	1438.6	541.7	91.6	0.988	0.980	1.001	0.042	0.980	0.001	0.007	0.44	0.08
6	-5.500	1.022	1068.08	1437.9	541.3	91.6	0.995	0.978	1.001	0.046	0.978	0.001	0.001	0.06	0.06
7	-5.000	1.021	1068.48	1438.6	541.3	90.7	0.995	0.978	1.001	0.045	0.978	0.001	0.001	0.06	0.06
8	-4.500	1.025	1072.46	1438.8	541.7	91.5	0.995	0.975	1.000	0.040	0.975	0.001	0.001	0.05	0.07
9	-4.000	1.026	1073.22	1439.6	543.6	91.4	0.995	0.978	1.001	0.045	0.978	0.001	0.001	0.08	0.06
10	-3.500	1.025	1071.93	1439.4	543.6	91.5	0.997	0.978	1.002	0.047	0.978	0.001	0.001	0.08	0.06
11	-3.000	1.023	1070.76	1438.2	541.1	91.4	0.996	0.976	1.002	0.050	0.976	0.001	0.001	0.05	0.06
12	-2.500	1.024	1071.74	1438.5	541.2	92.0	0.996	0.978	1.001	0.046	0.978	0.001	0.001	0.05	0.07
13	-2.000	1.025	1072.30	1440.9	543.5	91.8	0.999	0.979	1.000	0.043	0.979	0.001	0.000	0.03	0.07
14	-1.500	1.022	1069.91	1438.1	541.7	91.7	0.990	0.974	1.001	0.054	0.974	0.002	0.000	0.01	0.11
15	-1.000	1.024	1072.57	1438.4	542.1	91.3	0.989	0.970	1.001	0.052	0.970	0.002	0.000	-0.01	0.10
16	-0.500	1.026	1073.33	1437.7	542.8	91.7	0.988	0.969	1.000	0.062	0.969	0.003	-0.001	-0.05	0.17
17	0.000	1.025	1071.57	1438.7	542.7	91.3	0.986	0.969	1.001	0.064	0.969	0.003	-0.002	-0.11	0.19
18	0.500	1.024	1071.50	1437.8	541.9	91.8	0.983	0.967	1.001	0.069	0.967	0.004	-0.002	-0.13	0.24
19	1.000	1.024	1071.13	1438.8	542.2	91.6	0.985	0.968	1.000	0.064	0.968	0.006	-0.003	-0.10	0.26
20	1.500	1.022	1069.70	1440.4	542.1	91.6	0.982	0.969	1.001	0.063	0.969	0.006	-0.005	-0.34	0.31
21	2.000	1.027	1073.98	1439.3	543.3	91.5	0.984	0.964	1.001	0.074	0.964	0.006	-0.005	-0.31	0.36
22	2.500	1.028	1075.38	1439.4	544.3	92.0	0.987	0.967	1.001	0.067	0.967	0.007	-0.005	-0.32	0.41
23	3.000	1.027	1073.52	1440.0	543.9	91.4	0.987	0.968	1.001	0.067	0.968	0.008	-0.006	-0.30	0.47
24	3.500	1.026	1073.92	1437.9	543.0	92.0	0.992	0.972	1.000	0.056	0.972	0.008	-0.008	-0.45	0.50
25	4.000	1.026	1073.54	1440.7	543.9	92.0	0.994	0.974	1.001	0.054	0.974	0.009	-0.008	-0.47	0.52
26	4.500	1.025	1072.74	1440.4	543.5	91.8	0.992	0.973	1.001	0.054	0.973	0.009	-0.008	-0.50	0.54
27	5.000	1.024	1071.40	1437.6	541.9	91.6	0.992	0.974	1.002	0.054	0.974	0.009	-0.009	-0.51	0.56
28	5.500	1.025	1072.69	1439.7	543.3	91.6	0.997	0.977	1.001	0.047	0.977	0.009	-0.009	-0.51	0.56
29	6.000	1.025	1072.31	1438.7	542.6	91.6	0.997	0.977	1.001	0.048	0.977	0.009	-0.009	-0.51	0.56
30	6.500	1.025	1072.15	1438.1	542.4	91.7	1.002	0.981	1.001	0.039	0.981	0.008	-0.009	-0.50	0.56
31	7.000	1.026	1072.70	1439.4	543.9	91.4	1.005	0.984	1.001	0.034	0.984	0.008	-0.008	-0.49	0.56
32	7.500	1.026	1073.20	1438.4	543.2	91.2	1.013	0.989	1.001	0.024	0.989	0.007	-0.008	-0.49	0.56
33	8.000	1.028	1074.29	1438.6	543.8	91.3	1.019	0.993	1.000	0.014	0.993	0.007	-0.008	-0.48	0.56
34	8.500	1.027	1073.14	1434.8	542.0	90.8	1.025	0.998	1.002	0.005	0.998	0.006	-0.008	-0.48	0.56
35	9.000	1.027	1074.05	1437.7	543.9	91.2	1.030	1.002	1.001	-0.002	1.002	0.005	-0.007	-0.48	0.56
36	9.500	1.024	1071.47	1431.0	543.3	91.5	1.032	1.006	1.000	-0.013	1.006	0.004	-0.005	-0.30	0.51
37	10.000	1.024	1071.68	1437.7	543.9	91.5	1.025	1.003	1.001	-0.004	1.003	0.002	-0.004	-0.21	0.50
38	10.500	1.025	1072.09	1439.9	542.7	91.6	1.033	1.008	1.000	-0.015	1.008	0.001	-0.002	-0.12	0.50
39	11.000	1.025	1072.14	1435.0	541.3	91.4	1.039	1.011	1.001	-0.021	1.011	-0.001	-0.001	-0.04	0.50
40	11.500	1.025	1072.14	1435.0	541.3	91.5	1.046	1.017	1.002	-0.031	1.017	-0.002	0.000	0.01	0.50
41	12.000	1.026	1073.81	1439.1	544.4	92.0	1.056	1.022	1.000	-0.043	1.022	-0.003	0.000	0.08	0.50
42	12.500	1.028	1075.22	1441.8	545.2	91.6	1.062	1.027	1.000	-0.054	1.027	-0.004	0.003	0.15	0.50
43	13.000	1.029	1075.72	1438.9	544.4	91.5	1.066	1.031	1.001	-0.025	1.031	-0.004	0.001	0.28	0.51
44	13.500	1.028	1074.47	1439.0	543.5	91.5	1.066	1.031	1.000	-0.025	1.031	-0.004	0.001	0.28	0.51
45	14.000	1.023	1070.90	1436.8	541.3	91.6	0.970	0.958	1.001	0.072	0.958	0.001	-0.008	-0.30	0.50
46	14.500	1.023	1074.32	1438.1	543.3	92.0	0.974	0.957	1.000	0.085	0.957	0.001	-0.008	-0.46	0.50
47	15.000	1.026	1075.55	1441.1	545.2	91.7	0.978	0.962	1.001	0.078	0.962	-0.001	-0.007	-0.44	0.50
48	15.500	1.028	1075.33	1437.0	543.3	92.0	0.982	0.962	1.001	0.077	0.962	-0.002	-0.006	-0.38	0.50

TEST PART REX10-6 ALPHA WING VT 2T RUN SURVEY

TC-884 431 2.997 -4.99 10.00 -10.00 5.602

DATE 2-4-77

AEDC PROPELLSION WIND TUNNEL TRANSONIC 47

POINT	XT	W	Vu	PT	O	TT	WL	VW/VH	PTL/PT	CPL	UT/VH	VT/VH	VT/VP	ASL	SUTL
59	16.000	1.027	1073.85	1441.8	544.8	91.3	0.991	0.970	1.000	0.059	0.970	-0.003	-0.006	-0.35	-0.16
60	16.400	1.029	1075.34	1437.0	543.7	91.1	0.995	0.973	1.001	0.056	0.972	-0.005	-0.004	-0.25	-0.28
61	17.000	1.028	1075.33	1439.9	544.4	92.0	1.008	0.984	0.999	0.031	0.984	-0.006	-0.002	-0.14	-0.35
62	17.500	1.023	1071.48	1441.4	543.2	92.0	1.018	0.996	1.000	0.009	0.996	-0.007	-0.001	-0.06	-0.41
63	18.000	1.024	1072.01	1439.2	542.7	92.3	1.031	1.005	1.000	-0.010	1.005	-0.008	-0.000	-0.01	-0.45
64	18.500	1.030	1074.77	1440.4	545.3	92.0	1.045	1.012	1.000	-0.024	1.012	-0.010	0.003	0.15	-0.59
65	19.000	1.028	1075.35	1441.1	544.9	92.0	1.062	1.027	1.000	-0.054	1.027	-0.012	0.005	0.27	-0.66
66	19.500	1.026	1075.61	1439.4	543.6	91.6	1.078	1.041	1.000	-0.081	1.041	-0.014	0.009	0.47	-0.77
67	20.000	1.028	1075.20	1438.1	543.6	92.1	1.092	1.051	1.000	-0.101	1.050	-0.016	0.012	0.64	-0.86
68	20.500	1.037	1074.23	1441.6	544.6	91.9	1.109	1.065	0.999	-0.130	1.065	-0.019	0.016	0.80	-0.98
69	21.000	1.030	1077.07	1440.8	545.5	92.3	1.126	1.075	0.999	-0.151	1.075	-0.021	0.022	1.15	-1.12
70	21.500	1.025	1073.34	1439.9	543.4	92.3	1.133	1.085	0.999	-0.170	1.084	-0.023	0.027	1.43	-1.23
71	22.000	1.028	1075.84	1440.7	544.8	92.3	1.149	1.094	0.998	-0.189	1.093	-0.026	0.033	1.71	-1.37
72	22.500	1.028	1075.04	1441.1	544.7	92.1	1.128	1.078	0.998	-0.159	1.078	-0.025	0.026	1.40	-1.35
73	23.000	1.029	1075.97	1439.8	544.7	92.0	1.012	0.987	0.997	-0.023	0.987	-0.018	0.007	0.40	-1.04
74	23.500	1.024	1072.25	1438.5	542.4	92.0	1.079	0.987	1.001	0.026	0.987	-0.018	0.004	0.21	-1.03
75	24.000	1.026	1073.62	1440.2	543.7	92.0	0.994	0.974	1.000	0.053	0.974	-0.017	0.003	0.15	-1.01

TEST DATA REGION-6 ALPHA WING YZ DATE
 10-484 437 3,001 -6.99 48 -10.00 -10.00 3-503 2-4-77
 AEDC PROPELLSION WIND TUNNEL
 TRANSONIC AT

POINT	XT	P	YV	BT	Q	YT	ML	VHL/VH	PTL/PT	CPU	UT/VH	V7/VH	WT/VH	AATL	SUTL
6	-6.000	1.023	1071.10	1436.4	542.5	91.7	0.998	0.980	1.000	0.041	0.980	0.001	0.000	0.02	0.07
7	-4.000	1.021	1069.19	1440.4	541.7	91.9	0.995	0.979	1.001	0.043	0.979	0.002	0.003	0.31	0.10
8	-2.000	1.023	1070.85	1436.4	542.2	91.7	0.992	0.975	1.001	0.052	0.975	0.001	0.005	0.27	0.07
9	0.000	1.022	1070.54	1436.0	541.8	92.0	0.993	0.968	1.000	0.065	0.968	-0.001	0.003	0.19	-0.03
10	2.000	1.023	1071.58	1442.0	543.3	92.3	0.994	0.968	1.001	0.065	0.968	-0.004	-0.001	-0.04	-0.24
11	4.000	1.021	1069.47	1439.8	541.5	92.2	0.996	0.971	1.001	0.059	0.971	-0.006	-0.003	-0.19	-0.38
12	6.000	1.024	1072.53	1439.8	543.1	91.9	0.996	0.976	1.001	0.049	0.976	-0.006	-0.004	-0.25	-0.37
13	8.000	1.028	1073.55	1440.7	544.8	92.0	1.012	0.987	1.000	0.026	0.987	-0.004	-0.004	-0.25	-0.36
14	10.000	1.021	1073.55	1436.2	542.5	91.3	1.035	1.007	1.001	-0.012	1.007	0.000	-0.001	-0.03	0.02
15	12.000	1.022	1069.60	1436.5	541.4	91.6	1.051	1.024	1.001	-0.046	1.023	0.007	0.004	0.32	0.37
16	14.000	1.026	1072.50	1437.6	542.6	91.1	0.971	0.986	1.001	0.090	0.986	0.001	-0.004	-0.26	0.09
17	16.000	1.026	1071.59	1436.6	542.2	90.7	0.994	0.974	1.001	0.053	0.974	0.006	-0.002	-0.12	0.36
18	18.000	1.026	1075.59	1434.9	542.8	91.7	1.026	0.998	1.001	0.004	0.998	0.013	0.005	0.30	0.71
19	20.000	1.028	1075.67	1442.5	545.5	92.2	1.096	1.054	1.000	-0.107	1.053	0.021	0.017	0.94	1.12
20	22.000	1.027	1074.88	1439.2	543.8	92.3	1.148	1.094	0.997	-0.190	1.093	0.028	0.036	1.90	1.48
21	24.000	1.025	1072.85	1441.4	543.8	92.0	1.001	0.980	1.001	0.041	0.980	0.020	0.006	0.37	1.15